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<223> Accession number cg43930848

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<223> Accession number cg42925004

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<400> 7799

gatctgcacc gcgaccaggg ccgcagaaga cgcagtggtg taagttgaaa

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<212> DNA

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<222> (0)...(0)

<223> Accession number cg43269198

<400> 7852

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<210> 7853

<211> 50

<212> DNA

<213> Homo sapiens

<220>

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<222> (26)...(0)

<223> single nucleotide polymorphism

<221> misc\_feature

<222> (25)...(26)

<223> Nucleotide deleted between bases 25 and 26

<221> misc\_feature

<222> (0)...(0)

<223> Accession number cg43917989

<400> 7853

cccctctggc catgggcatg cttgcggggc cgccacgggt gctgctcttg

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<210> 7854

<211> 50

<212> DNA

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<222> (25)...(26)

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<221> misc\_feature

<222> (0)...(0)

<223> Accession number cg43916991

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<221> misc\_feature  
<222> (0)...(0)  
<223> Accession number cg43129880

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ctggacactg tggaagtgct gaaagaattc agaaagccaa ggaggtcaag 50

<210> 7856  
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<213> Homo sapiens

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<221> misc\_feature  
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<221> misc\_feature  
<222> (0)...(0)  
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<400> 7856  
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<210> 7857  
<211> 51'  
<212> DNA  
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<221> misc\_feature  
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<400> 7857  
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<210> 7858

<211> 50  
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<221> misc\_feature  
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<221> misc\_feature  
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<223> Accession number cg43123055

<400> 7858  
ggtgtgggga gctgtcccca atgggatggg ctggaaggct ccagactctt

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<210> 7859  
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<212> DNA  
<213> Homo sapiens

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<221> misc\_feature  
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<400> 7859  
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<210> 7860  
<211> 50  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> single nucleotide polymorphism

<221> misc\_feature  
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<221> misc\_feature  
<222> (0)...(0)  
<223> Accession number cg43969772

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<210> 7861  
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<212> DNA  
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<220>  
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<221> misc\_feature  
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<221> misc\_feature  
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<210> 7862  
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<210> 7863  
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 <213> Homo sapiens

<220>  
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 <223> single nucleotide polymorphism

<221> misc\_feature  
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 <223> Nucleotide deleted between bases 25 and 26

<221> misc\_feature  
 <222> (0)...(0)  
 <223> Accession number cg43511776

<400> 7863  
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<210> 7864  
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<213> Homo sapiens

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<223> single nucleotide polymorphism

<221> misc\_feature

<222> (25)...(26)

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<221> misc\_feature

<222> (0)...(0)

<223> Accession number cg44341684

<400> 7864

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<210> 7865

<211> 50

<212> DNA

<213> Homo sapiens

<220>

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<222> (26)...(0)

<223> single nucleotide polymorphism

<221> misc\_feature

<222> (25)...(26)

<223> Nucleotide deleted between bases 25 and 26

<221> misc\_feature

<222> (0)...(0)

<223> Accession number cg43924435

<400> 7865

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<210> 7866

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> allele

<222> (26)...(0)

<223> single nucleotide polymorphism

<221> misc\_feature

<222> (25)...(26)

<223> Nucleotide deleted between bases 25 and 26

<221> misc\_feature

<222> (0)...(0)

<223> Accession number cg44010855

<400> 7866

cactgcctgc accccaagct gcagacacca agcgcttcat caagtggtag

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<210> 7867

<211> 50

<212> DNA

<213> Homo sapiens

<220>  
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<221> misc\_feature  
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<223> Nucleotide deleted between bases 25 and 26

<221> misc\_feature  
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<400> 7867  
caaccagcaa tgaagggtgaa gatgcggggg ggcaggtccc gggacgggtt

50

<210> 7868  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> cSNP translation

<400> 7868  
Val Ser Thr Ser Ser His Ala Asp Ala Asp Cys Phe Leu Cys  
1 5 10

<210> 7869  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
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<400> 7869  
Asp Gly Thr Pro Thr Ser Leu Gln Glu Val Ala Pro His Thr  
1 5 10

<210> 7870  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7870  
Gly Lys Pro Leu Ser Val Asp Leu Gly Pro Gly Ile Met Gly  
1 5 10

<210> 7871  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7871  
Lys Pro Leu Ser Val Glu Val Gly Pro Gly Ile Met Gly Ala  
1 5 10

<210> 7872  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7872  
Met Val Gln Val Trp Pro Ala Arg Gln Val Arg Pro Val Thr  
1 5 10

<210> 7873  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7873  
Lys Arg Val Arg Thr Glu Glu Ile Gln Met Ala Val Ser Cys  
1 5 10

<210> 7874  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7874  
Val Gly Gly Gly Gly Arg Val Gly Ser Arg Gly Arg Leu Gly  
1 5 10

<210> 7875  
<211> 14  
<212> PRT  
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<220>  
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<223> cSNP translation

<400> 7875  
Tyr Ala Asp Ser Leu Thr His Cys Ser His Pro Ser Ala Ile  
1 5 10

<210> 7876  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7876  
Pro Thr Gly Ile Phe Ile Leu Asn Pro Ile Ser Gly Gln Leu  
1 5 10

<210> 7877  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7877  
Ala Gly Tyr Ile Arg Gln Val Gly Asp Phe His Gln Val Ile  
1 5 10

<210> 7878  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7878  
Ile Asn Ala Ser Thr Gly Asp Tyr Leu Leu Glu Ser Val Asn  
1 5 10

<210> 7879  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7879  
Arg Gly Ser Gly Gly Ala Gly Gly Ala Pro Gly Glu Arg Gly  
1 5 10

<210> 7880  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7880

Leu Ser Gly Gly Pro Thr Gln Gln Gln Glu Leu Gly Pro Gly  
1 5 10

&lt;210&gt; 7881

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7881

Thr Asp Leu Gln Ala Thr Asp Val Pro Gly Gln Arg Val Arg  
1 5 10

&lt;210&gt; 7882

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7882

Asp Leu Gln Ala Thr Glu Leu Pro Gly Gln Arg Val Arg Val  
1 5 10

&lt;210&gt; 7883

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7883

Asp Pro Glu Gly Ile Leu Phe Ala Trp Ala Gly Ser Arg Gly  
1 5 10

&lt;210&gt; 7884

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7884

Pro Thr Gln Pro His Glu Asp Val Cys His Gln Glu Asp Pro  
1 5 10

&lt;210&gt; 7885

<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
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<400> 7885  
Gly Gly Gly Arg Ser Cys Val Gly Glu Thr Thr Glu Ser Thr  
1 5 10

<210> 7886  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
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<400> 7886  
Thr Trp Glu Ile Gln Gly Ile Gly Ile Ser Asn Thr Gly Ile  
1 5 10

<210> 7887  
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<212> PRT  
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<220>  
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<223> cSNP translation

<400> 7887  
Gly Glu Arg Val Arg Tyr Glu Cys Arg Ser Pro Tyr Glu Met  
1 5 10

<210> 7888  
<211> 14  
<212> PRT  
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<220>  
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<223> cSNP translation

<400> 7888  
Val Gln Asn Ala Tyr Ile Leu Ser Arg Gln Met Ser Lys Tyr  
1 5 10

<210> 7889  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 7889

Leu Arg Thr Gly Glu Ser Val Glu Phe Val Cys Lys Arg Gly  
1 5 10

&lt;210&gt; 7890

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7890

Ser His Val Leu His Ser Lys Leu Ser Gln Cys Pro Glu Val  
1 5 10

&lt;210&gt; 7891

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7891

Pro Arg Pro Leu Arg Arg Val Val Leu Phe Tyr Gln Gly Lys  
1 5 10

&lt;210&gt; 7892

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7892

Met Arg Met Glu Lys Ile Val Met Glu Lys Val Cys Trp Lys  
1 5 10

&lt;210&gt; 7893

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7893

Ser Val Asn His Asp Pro Val Lys Trp Pro Asn Pro Glu Asn  
1 5 10

&lt;210&gt; 7894

&lt;211&gt; 14

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7894

Asp	Trp	Ile	Leu	Gly	Glu	Val	Lys	Thr	Ser	Gly	Leu	Arg	Gly
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<210> 7895

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 7895

Ile	Glu	Lys	His	Ala	Gly	Val	Val	Thr	Gly	Gly	Trp	Asp	Asn
1				5					10				

<210> 7896

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 7896

Thr	Gly	Leu	Glu	Arg	Glu	Val	Met	Leu	Ala	Ala	Lys	Lys	Gly
1				5					10				

<210> 7897

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 7897

Glu	Ile	Met	Leu	Ala	Ala	Arg	Lys	Gly	Leu	Asp	Pro	Tyr	Asn
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<210> 7898

<211> 14

<212> PRT

<213> Homo sapiens

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<222> (7)...(0)

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<400> 7898

Lys Gly Ala Ser Gly Thr Lys Glu Asp Pro Asn Leu Val Pro  
1 5 10

<210> 7899  
<211> 14  
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<220>  
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<400> 7899  
Asn Leu Val Pro Ser Ile Thr Asn Lys Arg Ile Val Gly Cys  
1 5 10

<210> 7900  
<211> 14  
<212> PRT  
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<220>  
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<400> 7900  
Phe Trp Leu His Lys Gly Gln Ala Gln Arg Cys Pro Arg Cys  
1 5 10

<210> 7901  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 7901  
Arg Gly Val Leu Glu Gln Val Arg Trp Phe Ala Gly Lys Gln  
1 5 10

<210> 7902  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 7902  
Asn Met Ala Ala Met Phe Ala Ile Tyr His Gly Ser His Gly  
1 5 10

<210> 7903  
<211> 13  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 7903  
Met Asn Gln Gly Lys Ser Val Arg Thr Ile Leu Ile Phe  
1 5 10

<210> 7904  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7904  
His Ala Pro Glu Arg Asp Leu Cys Arg Cys Pro Arg Glu Gly  
1 5 10

<210> 7905  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
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<223> cSNP translation

<400> 7905  
Glu Asp Asp Gly Asp Gly Asn Tyr Met Ser Glu Pro Glu Ala  
1 5 10

<210> 7906  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7906  
Met Ala Lys Ala Ala Ala Val Gly Ile Asp Leu Gly Thr Thr  
1 5 10

<210> 7907  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7907  
Pro Thr Thr Ser Asn Arg His Arg Arg Gln Ile Asp Arg Gly  
1 5 10

<210> 7908  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7908  
Gly Val Val Asp Ser Glu Glu Ile Pro Leu Asn Leu Ser Arg  
1 5 10

<210> 7909  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7909  
Thr Ser Ala Leu Trp Ala Val Trp Leu Leu Leu Ala Leu Cys  
1 5 10

<210> 7910  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7910  
Met Asp Asp Ile Glu Arg Val Val Asp Asp Gly Val Asn Thr  
1 5 10

<210> 7911  
<211> 14  
<212> PRT  
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<220>  
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<223> cSNP translation

<400> 7911  
Tyr Leu Thr Asp Asn Leu Ser Phe Ser Ser Ile Tyr Ala Leu  
1 5 10

<210> 7912  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)

<223> cSNP translation

<400> 7912

Phe Leu Gly Ile Pro Phe Gly Lys Pro Pro Leu Gly Pro Leu  
1 5 10

<210> 7913

<211> 14

<212> PRT

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<220>

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<223> cSNP translation

<400> 7913

Gly Ala Asn Thr Gln Ala Gly Gln Lys Leu Lys Asp Lys Glu  
1 5 10

<210> 7914

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 7914

Gly Leu Ser Phe Ile Ser Ser Gly Leu Lys Tyr Pro Gly Met  
1 5 10

<210> 7915

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7915

Ala Gly Arg Asp Ile Ser Leu Arg Pro Leu Leu Glu His Cys  
1 5 10

<210> 7916

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7916

Gly Arg Asp Ile Ser Ile His Pro Leu Leu Glu His Cys Glu  
1 5 10

<210> 7917

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7917  
Ser Gln Pro Val Thr Phe Gly Thr Asn Ser Thr Tyr Ala Ala  
1 5 10

<210> 7918  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7918  
Leu Asp Val Leu Glu Glu Gly Tyr Thr Thr Glu His Trp Leu  
1 5 10

<210> 7919  
<211> 14  
<212> PRT  
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<220>  
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<400> 7919  
Ser Ser Glu His Met Ala Gly Phe Gly Val Phe Gly Leu Cys  
1 5 10

<210> 7920  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7920  
Ala Val Lys Glu Gly Thr Val Gly Leu Thr Pro Ala Val Ser  
1 5 10

<210> 7921  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 7921

Ser Pro Gln Asp Ser His Glu Thr His Ser Pro Pro His Leu  
1 5 10

&lt;210&gt; 7922

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7922

Glu Asn Ser Ala Val Asp Glu Glu  
1 5

&lt;210&gt; 7923

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7923

His Ser Arg Arg Gln Pro His Val Val Ser Gln Trp Ser Thr  
1 5 10

&lt;210&gt; 7924

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7924

Ala Leu Gly Ala Ser Gly Thr Ser Gly His Glu Leu Ser Ala  
1 5 10

&lt;210&gt; 7925

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7925

Leu Ile Gly Glu Lys Ile Val Tyr Cys Glu Leu Lys Gly Ser  
1 5 10

&lt;210&gt; 7926

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 7926

Cys Lys Ala Ser Cys Lys Val Pro Val Lys Lys Ala Thr Val  
1 5 10

<210> 7927

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 7927

Ser Tyr Ala Gln Tyr Glu Arg Tyr Leu Lys Ser Asp Asn Met  
1 5 10

<210> 7928

<211> 14

<212> PRT

<213> Homo sapiens

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<222> (7)...(0)

<223> cSNP translation

<400> 7928

Asp Phe Tyr Val Met Pro Val Val Asn Val Asp Gly Tyr Asp  
1 5 10

<210> 7929

<211> 14

<212> PRT

<213> Homo sapiens

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<222> (7)...(0)

<223> cSNP translation

<400> 7929

Lys Phe Ser Arg Ser Ala Glu Ala Pro Ala Tyr Gln Gln Gly  
1 5 10

<210> 7930

<211> 14

<212> PRT

<213> Homo sapiens

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<222> (7)...(0)

<223> cSNP translation

<400> 7930



Ser Asp Met Thr Val Thr Ile Gln Phe Thr Asn Pro Leu Lys  
 1 5 10

<210> 7931  
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<220>  
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<400> 7931  
 Ser Ser Phe Gly Tyr Gly Ala Leu Gln Gly Pro Ala Ser Gly  
 1 5 10

<210> 7932  
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<400> 7932  
 Asp Tyr Thr His Ala Leu Val Arg His Asp Pro Leu Gly Lys  
 1 5 10

<210> 7933  
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 <212> PRT  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 7933  
 Ala Lys Thr Thr Ser Lys Asp Ser Ser Ile Ala Asp Leu Arg  
 1 5 10

<210> 7934  
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 <212> PRT  
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<220>  
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 <222> (7)...(0)  
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<400> 7934  
 Ala Val Lys Thr Ala Phe Phe Leu Ala Glu Phe Phe Val Asn  
 1 5 10

<210> 7935  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7935

Val Ser Arg Phe Lys Ala Ile Lys Ala Arg Phe Ala Lys Pro  
1 5 10

<210> 7936

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7936

Pro His Gly Leu Ile Met Asn Arg Thr Glu Arg Leu Ala Arg  
1 5 10

<210> 7937

<211> 12

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 7937

Pro Asp Ser Ser Met Glu Ser Ser Pro Asp Phe Phe  
1 5 10

<210> 7938

<211> 14

<212> PRT

<213> Homo sapiens

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<222> (7)...(0)

<223> cSNP translation

<400> 7938

Pro Ser Leu Ser Leu Thr Glu Ala Val Gln Ser Gly Pro His  
1 5 10

<210> 7939

<211> 14

<212> PRT

<213> Homo sapiens

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<222> (7)...(0)

<223> cSNP translation

<400> 7939

Met Thr Ile Leu Leu Ile Val Ile Pro Val Leu Val Val Gln  
1 5 10

<210> 7940  
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<220>  
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<222> (7)...(0)  
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<400> 7940  
Met Thr Ile Leu Leu Ile Val Ile Pro Val Leu Val Val Gln  
1 5 10

<210> 7941  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7941  
Pro Gly Lys Ser Lys Ala Ser Pro Glu Lys Ser Leu His Asp  
1 5 10

<210> 7942  
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<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 7942  
Cys Leu Glu Ala Leu Glu Ile Asp Pro Ser Asn Thr Lys Ala  
1 5 10

<210> 7943  
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<212> PRT  
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<220>  
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<222> (7)...(0)  
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<400> 7943  
Ala Asp Lys Thr Trp Asn Val Val Leu Leu Arg Tyr Phe Asn  
1 5 10

<210> 7944  
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<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7944  
Gln Phe Tyr Ala Leu Leu Ile Lys Gly Leu Gly Leu Glu Ser  
1 5 10

<210> 7945  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
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<400> 7945  
Leu Arg Glu Ala Thr Leu Val Thr Ile Lys His Glu Leu Phe  
1 5 10

<210> 7946  
<211> 14  
<212> PRT  
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<220>  
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<400> 7946  
Asn Cys Pro Pro Ser Phe Tyr Pro Ile Thr Val Arg Cys Cys  
1 5 10

<210> 7947  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7947  
Ser Asn Ser Ser Gln Arg Ile Pro Leu Gln Ala Gln Lys Leu  
1 5 10

<210> 7948  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 7948  
Lys Tyr Asn Ile Glu Leu Asn Pro Arg Phe Asn Asp Ile Leu  
1 5 10

<210> 7949

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> cSNP translation

<400> 7949  
Pro Gly Thr Asp His Ile Asn Gln Leu Lys Leu Ile Leu Arg  
1 5 10

<210> 7950  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
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<400> 7950  
Leu Asn Ser Ser Pro Arg Val Pro Val Ser Pro Leu Lys Phe  
1 5 10

<210> 7951  
<211> 14  
<212> PRT  
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<220>  
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<223> cSNP translation

<400> 7951  
Ala Ser His Val Ser Lys Val Val Cys Ser Thr Tyr Leu Gln  
1 5 10

<210> 7952  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7952  
Pro Ala Val Gly Pro Thr Ala Phe His Lys Arg Tyr Leu Lys  
1 5 10

<210> 7953  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 7953

Pro Ala Val Gly Pro Thr Ile Phe His Lys Arg Tyr Leu Lys  
1 5 10

&lt;210&gt; 7954

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7954

Leu Arg Asp Leu Thr Arg Val Gln Pro His Asn Leu Ala Asp  
1 5 10

&lt;210&gt; 7955

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7955

Asp Asp Val Ile Lys Met Leu Asp Met Gly Ser Ala Cys Arg  
1 5 10

&lt;210&gt; 7956

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7956

Gln Leu Ser Leu Ala Glu Thr Glu Ala Ser Leu Gly Asn Thr  
1 5 10

&lt;210&gt; 7957

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 7957

Gln Lys Asn Met Thr Ala Leu Glu Lys Lys Lys Glu Ala Val  
1 5 10

&lt;210&gt; 7958

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 7958

Tyr Ile Arg Leu Arg Leu Glu Arg Ile Arg Thr Leu Asn Ala  
1 5 10

<210> 7959

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 7959

Val Thr Asp Ala Asp Ser Leu Trp Met Glu Met Asp Asp Glu  
1 5 10

<210> 7960

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7960

Val Met Pro His Ser Ser Val His Lys Thr Ala Gln Pro Asn  
1 5 10

<210> 7961

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7961

Glu Glu Glu Asn Lys Ala Val Glu Lys Met Pro Arg Glu Leu  
1 5 10

<210> 7962

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7962

Pro Ser Leu Cys Thr Leu Ala Pro Leu Gly Pro Glu Cys Leu  
1 5 10

<210> 7963  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7963  
Leu Leu Asn Gln Ala Thr Val Lys Phe His Val Asp Ser Ser  
1 5 10

<210> 7964  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7964  
Phe Phe Tyr Glu Asp Met Asp Ser Leu Thr Gln Met Leu Arg  
1 5 10

<210> 7965  
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<212> PRT  
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<220>  
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<223> cSNP translation

<400> 7965  
Gly His Thr Ile Pro Gln Ala His Trp Thr Lys Leu Gln His  
1 5 10

<210> 7966  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7966  
Ala Thr Lys Lys Lys Leu Glu Glu Glu Glu Ala Glu Val Lys  
1 5 10

<210> 7967  
<211> 14  
<212> PRT  
<213> Homo sapiens



<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7967  
Arg Leu Cys Pro Ala Ala Asp Phe Thr Leu Cys Leu Val His  
1 5 10

<210> 7968  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7968  
Pro Ser Leu Cys Gln Leu Ala Lys Tyr Thr Thr Asn Ser Ser  
1 5 10

<210> 7969  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7969  
Val Ser Gln Ser Pro Leu Leu  
1 5

<210> 7970  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7970  
Ser Lys Ile Met Lys Leu Asp Asn Glu Asn Lys Ala Leu Asp  
1 5 10

<210> 7971  
<211> 13  
<212> PRT  
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<220>  
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<222> (13)...(0)  
<223> cSNP translation

<400> 7971  
Gly Pro Gln Lys Val Arg Gly Pro Gln Lys Val Arg Gly  
1 5 10

<210> 7972  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7972  
Leu Gln Arg Val Ala Phe Thr Pro Leu Leu Gly  
1 5 10

<210> 7973  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7973  
Lys Asp Met Thr Ser Gly Phe Val Cys Thr Cys Arg Glu Gly  
1 5 10

<210> 7974  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7974  
Thr Leu Ile Ala Lys Arg Leu Lys Gly Arg Leu Gly Lys Gln  
1 5 10

<210> 7975  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7975  
Ser Ser Lys Ala Pro Gly Lys Pro Gln Leu Ser Pro Gly Gln  
1 5 10

<210> 7976  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 7976  
Thr Trp Ala Thr Gln Glu Arg Ile Ser Leu Gln Trp Leu Arg  
1 5 10

<210> 7977  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7977  
Ser Gly Arg Leu Pro Arg Ala Thr Trp Ile Ser Met Ser Leu  
1 5 10

<210> 7978  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7978  
Val Leu Ile Glu Asn Val Gly Ser Leu  
1 5

<210> 7979  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7979  
Thr Gln Ser Glu Arg Gly Ser Gly Val Ser Asn Phe Ala Gln  
1 5 10

<210> 7980  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7980  
Phe Thr Ile Asn Leu Leu Val Val Met Leu Thr Ile Lys Arg  
1 5 10

<210> 7981

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 7981  
Ile Asp Phe Trp Arg Met Val Trp Glu Tyr Asn Val Val Ile  
1 5 10

<210> 7982  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation..

<400> 7982  
Ser Arg Lys Ser Ala Phe Asn Ser Leu Gln Leu Lys Ala Phe  
1 5 10

<210> 7983  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7983  
Thr Asp Thr Ile Tyr Asp Asp Asp Glu Val Leu Leu Ala Leu  
1 5 10

<210> 7984  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7984  
Ile Ser Lys Arg Gly Val Ser Cys Gln Phe Gly Pro Asp Val  
1 5 10

<210> 7985  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7985  
Gln Val Val His Thr His Arg Pro His Phe Met Ala Leu His  
1 5 10

<210> 7986  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7986  
Ala His Ala Gln Pro Gln Ser Thr Met Ala Pro Arg Pro Ala  
1 5 10

<210> 7987  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7987  
Ile Glu Val Ser Lys Val Val Thr Gly Thr Val Leu Ala Val  
1 5 10

<210> 7988  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7988  
Val Ile Asn Ile Ser Gly Val Arg Phe Glu Thr Gln Leu Lys  
1 5 10

<210> 7989  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7989  
Val Ile Asn Ile Ser Gly Leu Arg Phe Glu Thr Gln Leu Lys  
1 5 10

<210> 7990  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7990

Gly Tyr Leu Leu Gly Ser Ile Met Leu Gln Ile Phe Val Asp  
1 5 10

<210> 7991

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7991

Cys His Lys Ile Pro Val Asp Ala Asp Phe Leu Tyr Ala Tyr  
1 5 10

<210> 7992

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7992

Thr Gly Met Leu Asn Ser His Val Ile Glu Ile Met Gln Lys  
1 5 10

<210> 7993

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7993

Thr Val Asp Gly Pro Arg Asp Val Thr Leu Gln Ala Met Ala  
1 5 10

<210> 7994

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 7994

Val Asp Gly Pro Arg Glu Leu Thr Leu Gln Ala Met Ala Asp  
 1 5 10

<210> 7995  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 7995  
 Glu Asn Lys Leu Asn Asp Val Leu Leu Ile Gln Leu Ser Ser  
 1 5 10

<210> 7996  
 <211> 14  
 <212> PRT  
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<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 7996  
 Ala Phe Thr Ser Pro Ile Val Gln Ser Val Ser Lys Ala Leu  
 1 5 10

<210> 7997  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 7997  
 Glu Ala Ala Ala Ala Thr Thr Phe Ala Ile Lys Phe Phe Ser  
 1 5 10

<210> 7998  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 7998  
 Leu Ser Leu Gly Ala Glu Glu Arg Thr Glu Ser Ile Ile His  
 1 5 10

<210> 7999  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 7999  
Ala Leu Ser Leu Gly Ala Asp Gln Arg Thr Glu Ser Ile Ile  
1 5 10

<210> 8000  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8000  
Asn Gln Pro Phe Ile Phe Ile Leu Arg Asp Thr Asp Thr Gly  
1 5 10

<210> 8001  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8001  
Val Val Gly Leu Ile Gln Asp Leu Lys Pro Asn Thr Ile Met  
1 5 10

<210> 8002  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
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<400> 8002  
Tyr Gly Val Ser Leu Ile Asn Pro Lys Thr Lys Asp Ile Leu  
1 5 10

<210> 8003  
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<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8003  
His Pro Glu Gln Lys Glu Asp Ile Gly Gln Arg Gln Lys His  
1 5 10



<210> 8004  
<211> 14  
<212> PRT  
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<220>  
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<400> 8004  
Gly Pro Asp Ser Ala Leu Val Arg His Ile Gly Thr Asp Cys  
1 5 10

<210> 8005  
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<220>  
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<400> 8005  
Glu Ile Leu Pro Gln Gly His Glu Ser Pro Ile Phe Lys Gln  
1 5 10

<210> 8006  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
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<400> 8006  
Arg Arg Asp Gly Lys Trp Glu Asn Val His Phe His Arg Ser  
1 5 10

<210> 8007  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8007  
Pro Glu Glu Glu Ala Ala Asp Glu Glu Glu Glu Ala Pro Glu  
1 5 10

<210> 8008  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)

<223> cSNP translation

<400> 8008

Gln Arg Ile Ser Arg Leu Gly Gln Arg Met Ser Gly Phe Gln  
1 5 10

<210> 8009

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 8009

Val His Arg Cys Thr Glu Lys Ser Thr Gly Leu Ala Leu Ala  
1 5 10

<210> 8010

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8010

Lys Leu Gln Leu Glu Arg Glu Asn Leu Gln Leu Glu Thr Arg  
1 5 10

<210> 8011

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 8011

Gly Val Thr Leu Arg Thr Phe Glu Val Thr Asn Arg Leu Arg  
1 5 10

<210> 8012

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 8012

Cys Ser Ile Ala Leu Val Ala Lys Tyr Thr Lys Phe Ser Asp  
1 5 10

<210> 8013

<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8013  
Gln Glu Leu Pro Lys Thr Val Ser Gly Lys Thr Lys Arg Asn  
1 5 10

<210> 8014  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8014  
Ala Ile Phe Phe Thr Ser Ala Thr Ser Gly Tyr Pro Lys Met  
1 5 10

<210> 8015  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8015  
Asp Ala Glu Glu Lys Glu Glu Val Lys Ser Cys Ala Glu Trp  
1 5 10

<210> 8016  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8016  
Val Gly Leu Lys Lys Glu Asn Ile Ala Met Trp Glu Val Asn  
1 5 10

<210> 8017  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8017

Cys Asn Glu Ser Ser Met Glu Ser Leu Arg Gln Arg Lys Ser  
1 5 10

&lt;210&gt; 8018

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8018

Asn Glu Ser Ser Met Gln Thr Leu Arg Gln Arg Lys Ser Val  
1 5 10

&lt;210&gt; 8019

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8019

Thr Gly Met Trp Ala Pro Asp Arg Ser Ala Glu Ala Arg Gly  
1 5 10

&lt;210&gt; 8020

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8020

Thr Gly Met Trp Ala Pro Asp Arg Ser Ala Glu Ala Arg Gly  
1 5 10

&lt;210&gt; 8021

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8021

Thr Ile Phe Tyr Ala Leu Ala Tyr His His Ile Met Thr Ala  
1 5 10

&lt;210&gt; 8022

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8022

Ser Trp Leu Pro Leu Ser Leu Ile Asn Cys Ile Ile Tyr Phe  
1 5 10

<210> 8023

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8023

Phe Lys Leu Val Phe Ala Val Met Val Val Phe Leu Leu Met  
1 5 10

<210> 8024

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8024

Leu Ala Pro Gln Gln Arg Ala Ala Pro Gln Gln Lys Arg Ser  
1 5 10

<210> 8025

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8025

Gly Gly Ala Val Ala Asp Leu Glu Pro Arg Pro Thr Arg Trp  
1 5 10

<210> 8026

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8026

Lys Gly Gly Ala Val Ala Glu Val Glu Pro Arg Pro Thr Arg  
 1 5 10

<210> 8027  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 8027  
 Leu Pro Asp Ile Thr Leu Tyr  
 1 5

<210> 8028  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
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<400> 8028  
 Gln Phe Ser Thr Leu Val Asp Ser Thr Ala Thr Ala Gly Lys  
 1 5 10

<210> 8029  
 <211> 14  
 <212> PRT  
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<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 8029  
 Lys Ser Ile Asp Asp Ser Asp Met Glu Ser Pro Val Asp Asp  
 1 5 10

<210> 8030  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 8030  
 Gln Ala Ala His His Gly Val Asp Ala Gly Met Gly Asp Ser  
 1 5 10

<210> 8031  
 <211> 14  
 <212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 8031  
Pro Leu Gly Glu Asp Pro His Ala Arg Pro Pro Gly Pro Pro  
1 5 10

<210> 8032  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8032  
Asn Ala Arg Asp Thr Tyr Leu Ser Ser Phe Pro Arg Ala Pro  
1 5 10

<210> 8033  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8033  
Ser Met Trp Gly Val Leu Thr Ala Leu Gly Arg Ser Gly Ala  
1 5 10

<210> 8034  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8034  
Arg Pro Asp Ala Ala Met Thr Ala Ala Leu Phe Ser Leu Asp  
1 5 10

<210> 8035  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<400> 8035  
Arg Leu Gln Pro Pro Pro Gly Gln Ala Glu Gly Ala Phe Pro  
1 5 10

<210> 8036  
<211> 12  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8036  
Tyr Val Ile Glu Ile Phe His Arg Pro Lys Ser His  
1 5 10

<210> 8037  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8037  
Lys Ser Ser Ala Gly Gly Gly Lys Ala Gly Gln Pro Glu Ser  
1 5 10

<210> 8038  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8038  
Cys Asp Glu Cys Gly Lys Gly Phe Ser Gln Ser Ser Asp Leu  
1 5 10

<210> 8039  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8039  
Gln Asp Ser Asp Cys Lys Val Ser Pro Glu Gly Arg Glu Ala  
1 5 10

<210> 8040  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8040  
His Lys His Gly Leu Ala Val Leu Arg Ser Thr Ser Arg Asn  
1 5 10

<210> 8041  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8041  
Phe Thr Ile Asn Ser Leu Glu Asn Pro Pro Asp Ala Phe Lys  
1 5 10

<210> 8042  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8042  
Trp Gln Ile Gln Glu Thr Gly Pro Pro Ser Ser Trp Pro Gln  
1 5 10

<210> 8043  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8043  
Ser Lys Val Asn Pro Ser His Val His Asn Asn Met Tyr Ala  
1 5 10

<210> 8044  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8044  
Lys Val Asn Pro Ser Arg Ile His Asn Asn Met Tyr Ala Trp  
1 5 10

<210> 8045

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8045  
Asp Ile Gly Leu His Asp Val Arg Ser Gln Leu Thr Ile Ile  
1 5 10

<210> 8046  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8046  
Cys Ser Pro Phe Leu Val Ser Leu Ile Thr Leu Trp Val Tyr  
1 5 10

<210> 8047  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8047  
Ser Ala Trp Arg Asn Asn Thr Val Pro Leu Arg Leu Arg Asp  
1 5 10

<210> 8048  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8048  
Val Met Thr Thr Cys Ser Thr Phe Cys Ala Leu Gly Met Met  
1 5 10

<210> 8049  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8049

Leu Leu Leu Tyr Ile Tyr Thr Lys Gly Ile Tyr Asp Gly Asp  
1 5 10

&lt;210&gt; 8050

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8050

Asn Trp Gln His His Ser Ile Pro Val Glu Gly Phe Gly Pro  
1 5 10

&lt;210&gt; 8051

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8051

Thr Val Leu Glu Asp Ser Tyr Arg Arg Ile Met Gly Val Lys  
1 5 10

&lt;210&gt; 8052

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8052

Ala Leu Gln Gly Ser Thr Ala Gly Ala Gly Pro Arg Leu Phe  
1 5 10

&lt;210&gt; 8053

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8053

Leu Gln Gly Ser Thr Gly Ala Ala Gly Pro Arg Leu Phe Thr  
1 5 10

&lt;210&gt; 8054

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8054

Glu Glu Gly Ile Gln Lys Leu Lys Arg Asp Asn Gln Glu His  
1 5 10

<210> 8055

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8055

Ser Ser Ser Ser Leu His Val Gly Gly Leu Thr Asn Gly Ser  
1 5 10

<210> 8056

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8056

Thr Thr Gly Glu Thr Asp Asp Glu Gly Tyr Glu Asp Glu Tyr  
1 5 10

<210> 8057

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8057

Gln Ser Ala Pro Gln Gln Glu Thr Ser Ser Ser Pro Pro Pro  
1 5 10

<210> 8058

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8058

Arg Ala Tyr Gln Thr Val Gly Leu Asp Pro Glu Gly Asp Ala  
1 5 10

<210> 8059  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8059  
Asp Ile Ile Ala Thr Glu Asn Val Gly Ile Phe Asp Val Arg  
1 5 10

<210> 8060  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8060  
Thr Leu Ser Pro Ser Arg Gly Asn Ser Ser Ile Leu Lys Thr  
1 5 10

<210> 8061  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8061  
Ser His Leu Ala Arg Met Lys Ile Pro Glu Thr Leu Glu Glu  
1 5 10

<210> 8062  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8062  
Ile Pro Glu Lys Gln Leu Ile Glu Lys Lys Ser Pro Asp Lys  
1 5 10

<210> 8063  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8063  
Gly Ser Val Gly Ser Val Asn Leu Asn Thr Ser Ser Lys Asp  
1 5 10

<210> 8064  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8064  
Phe Ser Glu Leu Leu Asn Ala Ile His Asn Lys Arg Gly Asp  
1 5 10

<210> 8065  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8065  
Ser Ser Asp Asp Ile Arg Val Leu Pro Ala Gln Ser Arg Ala  
1 5 10

<210> 8066  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8066  
Lys Lys Ala Lys Gly Ala Gly Lys Thr Lys Gln Gln Leu Gln  
1 5 10

<210> 8067  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8067  
Ser Ser Ser Asn Lys Glu Leu Asp Ala Ser Tyr Val Asp Pro  
1 5 10

<210> 8068  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8068  
Glu Ser Ser Ser Asn Lys Asp Ile Asp Ala Ser Tyr Val Asp  
1 5 10

<210> 8069  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8069  
Gln Gly Gln Gln Gln Ala Ala Gly Asp Gly Lys Thr Glu Gln  
1 5 10

<210> 8070  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8070  
Leu Asn Ser Phe Ile Asp Glu Asn Pro Ser Gly Leu Pro Ile  
1 5 10

<210> 8071  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8071  
Gln Leu Pro Pro Leu Leu Ser Thr Pro Tyr Ile Leu Cys Leu  
1 5 10

<210> 8072  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 8072  
Pro Gln Thr Leu Ala Pro Leu Gly Glu Asp Ala Met Lys Thr  
1 5 10

<210> 8073  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8073  
Ala Leu Arg Arg Glu Lys Gln Arg Glu Leu Glu Leu Gln Arg  
1 5 10

<210> 8074  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8074  
Pro Cys Ser Cys Pro Lys Val Asp Val Asn Tyr Ala Phe Leu  
1 5 10

<210> 8075  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8075  
Glu Leu Phe Gln Thr Pro Val Cys Thr Asp Lys Pro Thr Thr  
1 5 10

<210> 8076  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8076  
Leu Arg Ser Arg Arg Gln Asp Lys Thr Glu Ala Glu Gln Gln  
1 5 10

<210> 8077



<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8077  
Ile Pro Arg Asp Lys Val Thr Glu Asn Lys Arg Cys Leu Arg  
1 5 10

<210> 8078  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8078  
Ala Ala Pro Ile Ser Cys Arg Val Gln Val Ala His Glu Lys  
1 5 10

<210> 8079  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8079  
His Ala Arg Gln Ala Gly Leu Arg Gly Leu Gly His Gln  
1 5 10

<210> 8080  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8080  
Gly Tyr Pro Gly Val Gln Ala Pro Glu Asp Leu Glu Trp Glu  
1 5 10

<210> 8081  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8081

Ile Leu Glu Gln Gln Glu His Glu Lys Leu Gln Gln Lys Glu  
1 5 10

&lt;210&gt; 8082

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8082

His Ser Asp Glu Asn Asp Gly Gly Gln Pro His Lys Arg Arg  
1 5 10

&lt;210&gt; 8083

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8083

Leu Leu Thr Thr Tyr Ala Ala Thr His Pro Gln Val Ser Tyr  
1 5 10

&lt;210&gt; 8084

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8084

Lys Glu Leu Glu Glu Leu Glu Arg Glu Arg Lys Arg Glu Glu  
1 5 10

&lt;210&gt; 8085

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8085

Arg Glu Arg Gly Glu Gln Val Thr Lys Arg Gly Arg Gly Lys  
1 5 10

&lt;210&gt; 8086

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8086

Arg Glu Lys Thr Ile Thr Glu Ile Glu Glu Phe Ser Asp Val

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<210> 8087

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8087

Cys Pro Ser Leu His Ala Val Ile Glu Ser Gln Pro Asn Ile

1

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<210> 8088

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8088

Ala Pro Cys Pro Phe Val Val Arg Gly Ser Tyr Ser Ser Ile

1

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<210> 8089

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8089

Val Phe Glu Glu Leu Leu Ile Asp Ala Asp Trp Ser Ile Asn

1

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<210> 8090

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8090

Thr Glu Glu Gln Leu Glu Gly Val Ile Ala Asp Phe Ser Gly  
1 5 10

<210> 8091  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8091  
Ile Leu Ser Ala Pro Trp Phe Leu Asp Leu Ile Ser Tyr Gly  
1 5 10

<210> 8092  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8092  
Ile Tyr Cys Ala Leu Pro Gly Cys Met Asp Asp Tyr Thr Thr  
1 5 10

<210> 8093  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8093  
Glu Lys Val Lys Arg Thr Arg Asp Glu Leu Glu Val Ile His  
1 5 10

<210> 8094  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8094  
Thr Glu Gly Arg Ile Ile Ser Val Glu Asp His Tyr Pro Gln  
1 5 10

<210> 8095  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8095  
His Gly Leu Asp His Gln Ala Ile Ser Val Thr Phe Glu Lys  
1 5 10

<210> 8096  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8096  
Asn Gly Glu Ser Arg Lys Thr Val Leu Ser Lys Pro Thr Asp  
1 5 10

<210> 8097  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8097  
Lys Arg Leu Leu Arg Ile Glu Ser Lys Cys Leu His Phe Thr  
1 5 10

<210> 8098  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8098  
Met Asp Asp Ile Phe Ser Thr Gly Ile Gln Ala Lys Thr Thr  
1 5 10

<210> 8099  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8099  
Phe Gln Ser Ser Asp Pro Gln Gln Met Arg Gln Ser Leu Leu  
1 5 10

<210> 8100  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8100  
Leu Phe Lys Gly Phe Phe Gln Leu Phe Pro Ser Leu Ser His  
1 5 10

<210> 8101  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8101  
Cys Ala Ile Tyr Thr Asn Arg Ala Leu Cys Tyr Leu Lys Leu  
1 5 10

<210> 8102  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8102  
Cys Gly Phe Ser Asp Ser Lys Ile Gln Lys Tyr Ser Pro Ser  
1 5 10

<210> 8103  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8103  
Leu Gly Pro Ile Gly Ala Ala Lys Ser Ser Phe Phe Asn Ser  
1 5 10

<210> 8104  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8104  
Phe Met Ile Asp Ala Ser Ile His Pro Thr Leu Asp Phe Cys  
1 5 10

<210> 8105  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8105  
Tyr Glu Lys Glu Ala Glu Lys Glu Glu Glu Arg Arg Arg Glu  
1 5 10

<210> 8106  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8106  
Leu Leu Gln Leu Ser Gln Val Leu Ser Leu Met Glu Thr Val  
1 5 10

<210> 8107  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8107  
Lys Glu Ser Tyr Pro His Ile Lys Thr Val Cys Asp Ala Ala  
1 5 10

<210> 8108  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8108  
Ser Gly Gln Arg Ile Glu Gly Lys Ala Lys Arg Val Asn Glu  
1 5 10

<210> 8109

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8109  
Phe Val Glu Leu Leu Gly Val His His Phe Met Asp Ser Phe  
1 5 10

<210> 8110  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8110  
Lys Arg Asp Lys Asn Asp Val Asp  
1 5

<210> 8111  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8111  
Thr Thr Lys Ala Val Ile Ser Leu Gln Pro Pro Trp Val Ser  
1 5 10

<210> 8112  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8112  
Lys Arg Lys Lys Lys Trp Asn Leu Glu Ile Ser Leu Asp Ser  
1 5 10

<210> 8113  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation



&lt;400&gt; 8113

Glu Ser Ala Asp Gln Ala Ala Ala Glu Leu Asn Gly Thr Gln  
1 5 10

&lt;210&gt; 8114

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8114

Met Leu Ala Met Pro Lys Val Ala Leu Leu Asn Asp Cys Val  
1 5 10

&lt;210&gt; 8115

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8115

Thr Arg Ser Ala Gln Lys Lys Thr Asn Pro Lys Arg  
1 5 10

&lt;210&gt; 8116

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8116

Ala Lys Leu Pro Pro Asn Val Leu Arg Ile Ser Lys Glu Val  
1 5 10

&lt;210&gt; 8117

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8117

Ala Gln Val Asp Pro Lys Ala Ser Leu Pro Lys Trp Val Val  
1 5 10

&lt;210&gt; 8118

&lt;211&gt; 7

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8118

Arg Ser Lys Lys Ala Gly Arg

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<210> 8119

<211> 14

<212> PRT

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<222> (7)...(0)

<223> cSNP translation

<400> 8119

Glu Glu Cys Asp Met Lys Lys Met His Tyr Val Asp Pro Asp

1

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10

<210> 8120

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8120

Glu Arg Thr Glu Trp Ile Lys Ala Ile Gln Met Ala Ser Arg

1

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<210> 8121

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8121

His Pro Ser Glu Leu Ile Gly Glu Met Arg Asn Ser Gly Phe

1

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<210> 8122

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8122

Arg Ser Arg Arg Ser Arg Thr Arg Ser Pro Gly Ser Tyr Lys  
1 5 10

<210> 8123  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8123  
His Glu Glu Leu Ser Ser Thr His His Asn Arg Glu Lys Ala  
1 5 10

<210> 8124  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8124  
Trp Ile His Cys Phe Glu Glu Val Thr Ala Ile Ile Phe Cys  
1 5 10

<210> 8125  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8125  
Trp Ile Phe Val Lys Asp Ala Pro Asn Ser Gln Leu Arg His  
1 5 10

<210> 8126  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8126  
Glu Gln Val Pro Gln Ala Ile Arg Arg Leu Arg Pro Arg Thr  
1 5 10

<210> 8127  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8127  
Leu Arg Gly Arg Ser Glu Val Glu Ile Arg Val Phe Leu Gln  
1 5 10

<210> 8128  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8128  
Gly Pro Leu Glu Glu Ala Leu Ala Val Ala Phe Ser Gln Val  
1 5 10

<210> 8129  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8129  
Tyr Asn Ser Lys Tyr Lys Thr Tyr Asp Ile Ala Gln Asp Ala  
1 5 10

<210> 8130  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8130  
Ser Ser Asp Asp Ile Arg Val Leu Pro Ala Gln Ser Arg Ala  
1 5 10

<210> 8131  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8131  
Leu Trp Trp Cys Gly Gly Ala Pro Asp Ser Ser Ile Pro Asp  
1 5 10

<210> 8132  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8132  
Ala Ser Leu Gln Ser Val Val His Lys Glu Glu Ser Leu Gly  
1 5 10

<210> 8133  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8133  
Lys Cys Val Leu Ala Leu Gly Phe Lys Lys Asn Thr Thr Asp  
1 5 10

<210> 8134  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8134  
Val Glu Glu Ile Arg Asn Ser Ile Asp Lys Ile Thr Gln Tyr  
1 5 10

<210> 8135  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8135  
Thr Gly Ser Gln Glu Pro Gly Arg Arg Pro Met Arg Lys Ser  
1 5 10

<210> 8136  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8136

Gln Arg Gln Lys Glu Leu Glu Arg Glu Arg Leu Glu Arg Glu  
1 5 10

<210> 8137

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8137

Leu Gln Lys Asn Leu Val Asp Leu Phe Gly Lys Leu Ala Ser  
1 5 10

<210> 8138

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8138

His Ile Leu Lys Leu Phe Glu Ser Asn Leu Val Pro Ala Asp  
1 5 10

<210> 8139

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8139

Ser Thr Lys Ile Glu Ile Lys Gln Gly Asp Asn Cys Asp Ser  
1 5 10

<210> 8140

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8140

Ser Tyr Ala Ala Ile Ser Gln Val Asp Arg Leu Gln Ser Glu  
1 5 10

<210> 8141

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8141  
Tyr Ser Tyr Val Lys Ser Ser Lys Leu Val Leu Lys Gly Thr  
1 5 10

<210> 8142  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8142  
Pro Asn Met Thr Pro Ser Ala Val Gly Arg Glu Arg His Ser  
1 5 10

<210> 8143  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8143  
Glu Asp Pro Val Ile Ser Arg Phe Thr Asn Met Met Met Ile  
1 5 10

<210> 8144  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8144  
Leu Pro Thr Asp Lys Lys Arg Gly Gly Pro Ser Pro Gly Asp  
1 5 10

<210> 8145  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8145

His Leu Pro Ser Ser Lys Ala Gly Ser  
1 5

&lt;210&gt; 8146

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8146

Gln Lys His Ser Ser Gly Thr Ser Asn Thr Ser Thr Ala Asn  
1 5 10

&lt;210&gt; 8147

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8147

His Gln Gly Cys Thr Ile Val Ser Gln Arg Leu Thr Pro Leu  
1 5 10

&lt;210&gt; 8148

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8148

Ser Pro Glu Leu Thr Thr Thr Arg Pro Leu Pro Lys Ile Leu  
1 5 10

&lt;210&gt; 8149

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8149

Glu Arg Phe Asp Val Ser Ile Cys Ile Leu Gly Ser Pro Arg  
1 5 10

&lt;210&gt; 8150

&lt;211&gt; 13

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8150

Arg Asp Asn His Gly Trp His Gly Gly Arg Arg Leu Pro  
1 5 10

<210> 8151

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8151

Asp Phe Phe Tyr Leu Tyr Val Thr  
1 5

<210> 8152

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8152

Asp Val Asp Thr Tyr Lys Asp Ile Ser Tyr Phe Val Ala Glu  
1 5 10

<210> 8153

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8153

Cys Gln Thr Cys Gly Thr Asp Tyr Ile Ile Ser Val Leu Asn  
1 5 10

<210> 8154

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8154

Glu Val Val Ala Val Ala Arg Ala Val Tyr Gln Ala Met Leu  
1 5 10

<210> 8155  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8155  
Val Val Leu Pro Phe Pro Arg Glu Lys Ala Arg Thr Ala Glu  
1 5 10

<210> 8156  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8156  
Arg Glu Ala Asn Leu Ala Gly Ile Ile Glu Arg Leu Gln Glu  
1 5 10

<210> 8157  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8157  
Gln Val Leu Lys Gln Leu Val Glu Lys Arg Glu His Glu Arg  
1 5 10

<210> 8158  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8158  
Ser Phe His Pro Asp Thr His Lys Pro Met His Arg Glu Cys  
1 5 10

<210> 8159  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8159  
Gly Glu Thr Phe Lys Phe Arg Glu Ala Val Val Leu Gly Ser  
1 5 10

<210> 8160  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8160  
Asn Ser Ala Lys Phe Pro Ile Gly Arg Arg Asp Phe Asp Met  
1 5 10

<210> 8161  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8161  
Ala Leu Arg Ser Glu Leu Leu Val Asp Lys Thr Lys Arg Lys  
1 5 10

<210> 8162  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8162  
Cys Leu Ser Val Asn Asp Val Phe Val Thr Gly Glu Trp Gly  
1 5 10

<210> 8163  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8163  
Thr His Leu Pro Gly Phe Leu Glu Gln Ala Glu Ala Leu Lys  
1 5 10

<210> 8164  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8164  
Gln Pro Ala Tyr Ala Thr Lys Tyr Ala Ile Thr Val Trp Tyr  
1 5 10

<210> 8165  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8165  
Leu Phe Phe Trp Ser Asp His Arg Asn Pro His Glu Val Gln  
1 5 10

<210> 8166  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8166  
Ser Leu Glu Glu Pro Met Glu Asp Glu Ser Glu Ile Glu Glu  
1 5 10

<210> 8167  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8167  
Leu Cys Ile Phe Cys Phe Asp Thr Pro Tyr Cys Arg Val Gly  
1 5 10

<210> 8168  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)

<223> cSNP translation

<400> 8168

Phe Thr Gln Trp Leu Cys His Leu His Asn Glu Val Asn Arg  
1 5 10

<210> 8169

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8169

Pro Asp Phe Asp Cys Ser Lys Val Asp Glu Arg Trp Arg Asp  
1 5 10

<210> 8170

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8170

Ser Glu Pro Thr Ser Gln Val Thr Arg Gly Arg Lys Asn Arg  
1 5 10

<210> 8171

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8171

Met Leu Ser Gly Ile Ala Glu His Pro Gly Leu Ser Ser Pro  
1 5 10

<210> 8172

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8172

Tyr Phe Arg Glu Lys Tyr Ser Leu Gln Leu Lys Tyr Pro His  
1 5 10

<210> 8173

<211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8173  
 Gln Glu Gln Lys His Thr Phe Leu Pro Leu Glu Val Cys Asn  
 1 5 10

<210> 8174  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8174  
 Glu Leu Leu Val Lys Glu Ser Ser Gly Gly Pro Asp Ser Pro  
 1 5 10

<210> 8175  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8175  
 Arg Pro Arg Arg Tyr Val Glu Pro Pro Glu Met Ile Gly Pro  
 1 5 10

<210> 8176  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8176  
 Ile Lys Arg Cys Gln Glu Val Gln Asn Gly Ser Glu  
 1 5 10

<210> 8177  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

&lt;400&gt; 8177

Pro Ala Val Val Gln Lys Lys Ala Ser Gly  
1 5 10

&lt;210&gt; 8178

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8178

Glu Gln Glu Gln Glu Arg Gln Gly Ser Arg Ile Ile Ala Gln  
1 5 10

&lt;210&gt; 8179

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8179

Lys Asp Phe Arg Asp Phe Ala Arg Glu Lys Lys Tyr Arg Thr  
1 5 10

&lt;210&gt; 8180

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8180

Glu Ser Ala Leu Asn His Leu Gln His Pro Ser Asp Glu Ala  
1 5 10

&lt;210&gt; 8181

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8181

Gly Ser Trp Tyr Ser Met Arg Lys Met Ser Met Lys Ile Arg  
1 5 10

&lt;210&gt; 8182

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8182

Gly	Ser	Trp	Tyr	Ser	Met	Arg	Lys	Met	Ser	Met	Lys	Ile	Arg
1				5					10				

<210> 8183

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8183

Ile	Lys	Asn	Ala	Thr	Ile	Ile	Gln	Tyr	Gln	Leu	Lys	Gly	Leu
1				5					10				

<210> 8184

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8184

Leu	Pro	Glu	Phe	Phe	Glu	Gly	Asn	Met	Glu	Thr	Trp	Met	Asn
1				5					10				

<210> 8185

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8185

Gln	Asp	Leu	Pro	Glu	Phe	Leu	Glu	Asp	Asn	Met	Glu	Thr	Trp
1				5					10				

<210> 8186

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8186



Gln Asp Leu Pro Glu Phe Cys Glu Asp Asn Met Glu Thr Trp  
1 5 10

<210> 8187  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8187  
Phe Arg Pro His Met Ile Glu Asp Ile Gln Arg Ala Gly Ser  
1 5 10

<210> 8188  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8188  
Phe Lys Gly Asp Lys Cys His Ser Leu Val Gly Lys Pro Lys  
1 5 10

<210> 8189  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8189  
Thr Val Leu Tyr Asn Pro Ala Val Ile Ser Pro Glu Glu Leu  
1 5 10

<210> 8190  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8190  
Lys Val Ser Leu Glu Gln Asp Ser Ala Thr Val Lys Tyr Val  
1 5 10

<210> 8191  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8191  
Ser Leu Arg Lys Ala Ile Val Ala Val Ser Pro Gly Leu Tyr  
1 5 10

<210> 8192  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8192  
Ala Leu Asn Ala Gln Gln Tyr Lys Val Leu Ile Gly Asn Arg  
1 5 10

<210> 8193  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8193  
Gln Val Tyr Glu Glu Thr Cys Gly Val Ser Val Gly Asp Pro  
1 5 10

<210> 8194  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8194  
Leu Ser Gly Ala Asp Ile Gln Ala Ile Cys Thr Glu Ala Gly  
1 5 10

<210> 8195  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8195  
Ala Gly Met Ile Ala Leu Pro Arg Gly Ala Thr Glu Leu Thr  
1 5 10

<210> 8196  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8196  
Ala Gly Met Ile Ala Leu Gly Arg Gly Ala Thr Glu Leu Thr  
1 5 10

<210> 8197  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8197  
Arg Gly Ala Asp Lys Val Lys Thr Phe Ser Ala Leu Leu Leu  
1 5 10

<210> 8198  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8198  
Met Gly Leu Met Leu Gly Glu Phe Val Asp Asp Tyr Thr Val  
1 5 10

<210> 8199  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8199  
Tyr Ile Ala Glu Trp Lys Arg Gly Leu Leu Glu His Lys Met  
1 5 10

<210> 8200  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 8200  
Ser Cys Tyr Leu Lys Arg Trp Gln Tyr Val Asp Ser Asp Gly  
1 5 10

<210> 8201  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8201  
Gly Cys Ser Val Met Lys  
1 5

<210> 8202  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8202  
Pro Val Gln Trp Val Ala Ser Pro Arg Leu Leu Leu Arg Leu  
1 5 10

<210> 8203  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8203  
Met Gly Glu Leu Phe Arg Glu Ile Thr Gln Pro Leu Arg Pro  
1 5 10

<210> 8204  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8204  
Met Ser Ile Gln Phe Leu Gly Thr Val Tyr Lys Val Asn Ile  
1 5 10

<210> 8205

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8205  
Val Glu Pro Val Gly Met Pro Arg Glu Gly Asp Arg Val Glu  
1 5 10

<210> 8206  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8206  
Phe Leu Met Tyr Ser Asp Tyr Val Leu Arg Ser Pro Ser Gly  
1 5 10

<210> 8207  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8207  
Asn Asn Gln Ser Leu Pro His His Ser Gln Lys Leu Arg Leu  
1 5 10

<210> 8208  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8208  
Arg Arg Leu Lys Lys Gly Met Lys Ser Lys Arg Ser Met Asn  
1 5 10

<210> 8209  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8209  
Arg Leu Lys Lys Gly Lys  
1 5

<210> 8210  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8210  
Gly Glu Asn Asn Glu Glu Ser Asn Glu Asp Glu Asp Ser Glu  
1 5 10

<210> 8211  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8211  
Gly Glu Asn Asn Glu Glu Leu Asn Glu Asp Glu Asp Ser Glu  
1 5 10

<210> 8212  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8212  
Glu Ala Arg Glu Asn Leu Thr Val Phe Ser Phe Leu Gly Pro  
1 5 10

<210> 8213  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8213  
Val Ala Ala Ser Phe Leu Met Arg  
1 5

<210> 8214  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8214

Ile Met His Lys Ile Thr Lys Cys Ile Leu Phe Phe Gly Arg  
1 5 10

<210> 8215

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8215

Leu Phe Phe Gly Arg Phe Cys Ser  
1 5

<210> 8216

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8216

Thr Leu Thr Phe Pro Pro Gly Phe Gly Gln Phe Met Ala Gly  
1 5 10

<210> 8217

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8217

Arg Gly Ser Gly Gly Ala Pro Gly Ala Pro Gly Glu Arg Gly  
1 5 10

<210> 8218

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8218

Lys Gly Gly Ile Gly Asn Pro Gly Pro Arg Gly Glu Thr Gly  
 1 5 10

<210> 8219  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8219  
 Lys Leu His Trp Glu Arg Ala Glu Pro Pro Gly Pro Tyr Phe  
 1 5 10

<210> 8220  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8220  
 Thr Thr Val Lys Ala Asp Phe Glu Phe Ser Ser Ala Pro Ala  
 1 5 10

<210> 8221  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8221  
 Trp Glu Pro Val Pro Arg Glu Gln Gly Phe Leu Leu His Trp  
 1 5 10

<210> 8222  
 <211> 3  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8222  
 Leu Phe Gln  
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<210> 8223  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens



<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8223  
Glu Asn Gly Leu Lys Gly Val Leu Gly Pro His Gly Pro Pro  
1 5 10

<210> 8224  
<211> 5  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8224  
Leu Leu Ser Leu Leu  
1 5

<210> 8225  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8225  
Pro Leu Leu Ser Leu Leu Ser Tyr Pro Pro Arg Val Trp Cys  
1 5 10

<210> 8226  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8226  
Pro Gly Ser Pro Leu Ala Arg Thr Gly Ser Pro Gly Ser Pro  
1 5 10

<210> 8227  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8227  
Asn Gly Gly Ala Ser Cys Ser Gly Arg Lys Val Gln Thr Gln  
1 5 10

<210> 8228  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8228  
Pro Gly Tyr Glu Leu Gln Lys Asp Arg His Ser Cys Gln Ala  
1 5 10

<210> 8229  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8229  
Cys Ala Ser Arg Ser Lys Leu Gly Glu Glu Asp Pro Gln Pro  
1 5 10

<210> 8230  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8230  
Leu Glu Glu Tyr Leu Asp Glu Phe Asp Pro Cys His Cys Arg  
1 5 10

<210> 8231  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8231  
Gly Ser Ile Thr Cys Leu Arg Asn Gly Trp Ser Ala Gln Pro  
1 5 10

<210> 8232  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8232

Ser Asn Gly Glu Trp Ser Ala Pro Pro Arg Cys Ile His Pro  
1 5 10

<210> 8233

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8233

Pro Thr Val Gln Asn Ala His Ile Val Ser Arg Gln Met Ser  
1 5 10

<210> 8234

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8234

Ser Phe Trp Thr Arg Ile Lys Cys Thr Glu Glu Gly Trp Ser  
1 5 10

<210> 8235

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8235

Ala Lys Gln Lys Leu Tyr Ser Arg Thr Gly Glu Ser Ala Glu  
1 5 10

<210> 8236

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8236

Leu Val Val Met Leu Leu Pro Thr Ala Arg Leu Thr Leu Ser  
1 5 10

<210> 8237

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8237  
Leu Leu Gly Gln Leu Ser Glu Gln Val Arg Leu Leu Leu Gly  
1 5 10

<210> 8238  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8238  
Thr Ser Cys Ala Thr Gln Thr Ile Thr Phe Glu Ser Phe Lys  
1 5 10

<210> 8239  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8239  
Gly Asp Val Leu Gln Ile Ser Ile Gly Ser Thr Pro Val Leu  
1 5 10

<210> 8240  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8240  
Ile Asn Leu Trp Ala Leu His His Asn Glu Lys Glu Trp His  
1 5 10

<210> 8241  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8241  
Phe Leu Ile Lys Met Glu Gln Glu Lys Gln Asn Gln Gln Ser  
1 5 10

<210> 8242  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8242  
Lys Met Glu Lys Glu Lys His Asn Gln Gln Ser Glu Phe Thr  
1 5 10

<210> 8243  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8243  
Val Thr Gly Gly Trp Asp Tyr Leu Leu Ala Val Ile Pro Gly  
1 5 10

<210> 8244  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8244  
Ile Glu Lys His Ala Gly Cys Val Thr Gly Gly Trp Asp Asn  
1 5 10

<210> 8245  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8245  
Leu Glu Arg Glu Ile Met Met Ala Ala Lys Lys Gly Leu Asp  
1 5 10

<210> 8246  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8246

Arg Glu Asp Tyr Ser Arg Asp Gly Tyr Cys Met Met Ser Val  
1 5 10

<210> 8247

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8247

Val Met Gly Trp Thr Ala Thr Thr Gly Ser Leu Asp Ala Gly  
1 5 10

<210> 8248

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8248

Lys Gly Ile Leu Leu Phe Cys Thr Lys Ala Gln Lys Glu Lys  
1 5 10

<210> 8249

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8249

Glu Thr Asn Ser Gly Asn Arg Phe His Tyr Phe Ser Tyr Gly  
1 5 10

<210> 8250

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8250

Leu Thr Leu Ser Phe Phe Leu Lys Phe Tyr Leu Thr Val Leu  
1 5 10

<210> 8251  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8251  
Thr Leu Thr Leu Ser Phe Leu Phe Lys Phe Tyr Leu Thr Val  
1 5 10

<210> 8252  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8252  
Cys Thr Leu Thr Leu Ser Leu Phe Phe Lys Phe Tyr Leu Thr  
1 5 10

<210> 8253  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8253  
Gly Leu Ala Glu Glu Leu Gln Leu Pro Pro Asp Ala Pro Gly  
1 5 10

<210> 8254  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8254  
Phe Arg Gly Val Leu Glu His Leu Arg Trp Phe Ala Gly Lys  
1 5 10

<210> 8255  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8255  
Pro Asp Ala Lys Leu Val Glu Gly Asn Thr Glu Ile Gly Ile  
1 5 10

<210> 8256  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8256  
Lys Gln Leu Arg Phe Glu Arg Glu Arg Val Thr Trp Ile Gln  
1 5 10

<210> 8257  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8257  
Lys Asp His Ser Val Ser His Ser Pro Ser Leu Phe Lys Pro  
1 5 10

<210> 8258  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8258  
Asp Gly Gly Cys Cys Gly Arg Asp Gly Asn Asn Pro Asn Cys  
1 5 10

<210> 8259  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8259  
Asn Met Ala Ala Met Phe Arg Ile Tyr His Gly Ser His Gly  
1 5 10



<210> 8260  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8260  
Asp Leu Asp Asn Ala Val Glu Phe Ala His His Gly Val Phe  
1 5 10

<210> 8261  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8261  
Ser Pro Leu Gln Ala Thr Ser Gly Pro Ser Tyr Pro Arg Pro  
1 5 10

<210> 8262  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8262  
Leu Val Gly Phe Pro Gly Cys Arg Ser Val Gly Leu Val Lys  
1 5 10

<210> 8263  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8263  
Leu His Pro Ala Asp His Arg Val Tyr Phe Gly Gln Leu Leu  
1 5 10

<210> 8264  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 8264  
Arg Cys Gln Glu Gln Phe Arg Ile Leu Ser  
1 5 10

<210> 8265  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8265  
Lys Ala Lys Ser Leu Arg Ile Ala Glu Tyr Ala Phe Lys Leu  
1 5 10

<210> 8266  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8266  
Ser Thr Thr Thr Asp Phe Thr Lys Ser Val Ile Gly His Leu  
1 5 10

<210> 8267  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8267  
Thr Thr Asp Phe Ile Lys Ala Val Ile Gly His Leu Gln Thr  
1 5 10

<210> 8268  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8268  
Ser Val Ile Gly His Leu Pro Thr Lys Gly  
1 5 10

<210> 8269

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8269  
Gly Val Pro Phe Glu Phe Leu Pro Glu Ala Gln Ser Lys Asp  
1 5 10

<210> 8270  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8270  
His Ala Leu Thr Ala Arg Asn Pro Arg Thr Arg Tyr Ser Pro  
1 5 10

<210> 8271  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8271  
Ile Thr Asp Pro Gln Ser Val Gln Gln Ala Ala Lys Trp Val  
1 5 10

<210> 8272  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8272  
Ile Gly Val Ala Ala Ile Thr Gly Ala Phe Thr Glu Gln Ile  
1 5 10

<210> 8273  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8273

Ala Ala Leu Arg Ile Thr Lys Asn Lys Leu Ser Asn His Val  
1 5 10

&lt;210&gt; 8274

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8274

Phe Val Arg Ser Leu Val  
1 5

&lt;210&gt; 8275

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8275

Leu Gln Thr Gly Val Pro Asn Pro Gly Ala Ala Gly Arg Gly  
1 5 10

&lt;210&gt; 8276

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8276

Trp Gln Glu Lys Arg Val Gln Gly Arg Arg Glu Gly His Ala  
1 5 10

&lt;210&gt; 8277

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8277

Lys Trp Gln Glu Lys Arg Glu Lys Gly Arg Arg Glu Gly His  
1 5 10

&lt;210&gt; 8278

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8278

Lys	Lys	Trp	Gln	Glu	Lys	Ser	Val	Lys	Gly	Arg	Arg	Glu	Gly
1				5					10				

<210> 8279

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8279

Tyr	Lys	Lys	Trp	Gln	Glu	Asn	Arg	Val	Lys	Gly	Arg	Arg	Glu
1				5					10				

<210> 8280

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8280

Ser	Ser	Asn	Pro	Lys	Gly	Ser	Gln	Met	Gln	Pro	Ile	Ser	Leu
1				5					10				

<210> 8281

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8281

Phe	Ser	Ile	Gly	Val	Gly	Phe	Arg	Leu	Asp	Gly	Leu	Arg	Asn
1				5					10				

<210> 8282

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8282

Ser Cys Gly Asn Ala Gln Asn Asp Ala Ala His Asn Ala Leu  
 1 5 10

<210> 8283  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8283  
 His Gly Ser Gly Ile Ser Phe Gly Asn Ala Gln Ser Asp Ala  
 1 5 10

<210> 8284  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8284  
 Cys Lys Gln Cys Gly Lys Ala Phe Arg Tyr Leu Ala Ser Leu  
 1 5 10

<210> 8285  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8285  
 Pro Thr Pro Asp Tyr Leu Met Gln Leu Met Asn Asp Lys Lys  
 1 5 10

<210> 8286  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8286  
 Glu Asp Asp Gly Asp Gly Gly Tyr Met Ser Glu Pro Glu Ala  
 1 5 10

<210> 8287  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8287  
Asn Arg Ser Glu Gln Val Leu Thr Cys Ser Val Cys Gln Glu  
1 5 10

<210> 8288  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8288  
Arg Ser Glu Gln Val Phe Pro Cys Ser Val Cys Gln Glu Thr  
1 5 10

<210> 8289  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8289  
Glu Tyr Ser Ser Leu Tyr Asn Asp His Val Val His Thr His  
1 5 10

<210> 8290  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8290  
Arg Leu Val Asn Glu Glu Tyr Arg Ser Trp Phe Asp Gln Leu  
1 5 10

<210> 8291  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8291  
Met Asp Pro Lys Asp Val Gly Glu Trp Gln His Glu Glu Phe  
1 5 10

<210> 8292  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8292  
Lys Phe Thr Gly Ser Glu Gln Ala Thr Leu Val Asn Asn Leu  
1 5 10

<210> 8293  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8293  
Ala Glu Pro Tyr Pro Thr Pro Arg Phe Gly Ser Gln Cys Met  
1 5 10

<210> 8294  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8294  
Gln Met Glu Gln Leu Arg Lys Lys Leu Gly Pro His Ala Gly  
1 5 10

<210> 8295  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8295  
Gln Met Glu Gln Leu Arg Pro Lys Leu Gly Pro His Ala Gly  
1 5 10

<210> 8296  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT



<222> (7)...(0)  
<223> cSNP translation

<400> 8296  
Lys Ile Ser Leu Arg Glu Glu Leu Cys Gly Cys Ser Ile Asn  
1 5 10

<210> 8297  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8297  
Arg Thr Ala Tyr Gly Pro Lys Gly Met Asn Lys Met Val Ile  
1 5 10

<210> 8298  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8298  
Leu Ile Lys Asn Ala Glu Lys Leu Met Asn Phe Ser Lys Gly  
1 5 10

<210> 8299  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8299  
Glu Met Asp Val Tyr Gln Gly Arg Phe Gln Asp Asn Gly Ala  
1 5 10

<210> 8300  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8300  
Glu Ile His Gly Val Ser Gln Asp Val Ala Ser Arg Gln Thr  
1 5 10

<210> 8301

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8301  
Gly Gln Ser Thr Ile Pro Trp Asn Ser Leu Lys Gln Gly Tyr  
1 5 10

<210> 8302  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8302  
Tyr Glu Pro Ser Glu Thr Thr Lys Ala Gln Arg Gln Met Thr  
1 5 10

<210> 8303  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8303  
Leu Leu Glu Arg Tyr Asn Thr Glu Arg Asp Ile Asn Ser Leu  
1 5 10

<210> 8304  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8304  
Asp Asn Leu Thr Phe Ser Arg Ile Tyr Ala Leu Ile Gln His  
1 5 10

<210> 8305  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8305  
Thr Asp Asn Leu Thr Phe Arg Ser Ile Tyr Ala Leu Ile Gln  
1 5 10

<210> 8306  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8306  
Ile Cys Gly Ala Glu Tyr Asp Asn Asn Lys Phe Lys Thr Thr  
1 5 10

<210> 8307  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8307  
Ala Thr Asp Arg Asn Pro Ile Gly Ser Ser Ser Arg Gln Ser  
1 5 10

<210> 8308  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8308  
Glu Asn Gly Pro Glu Gln Ala Gln Ala Gly Ser Ser Thr Ser  
1 5 10

<210> 8309  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8309  
Pro Glu Asn Gly Pro Glu His Pro Gln Ala Gly Ser Ser Thr  
1 5 10

<210> 8310  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8310

Val Gln Pro Ser Glu Asp Thr Val Arg Pro Glu Asn Gly Pro  
1 5 10

<210> 8311

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8311

Met Leu Leu Ile Asp Leu Gly Ile Leu Ile Tyr Trp Gln Gly  
1 5 10

<210> 8312

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8312

Asp Leu Cys Ile Leu Ile Cys Trp Gln Gly Val Glu Pro Leu  
1 5 10

<210> 8313

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8313

Arg Thr Ser His Tyr Pro Tyr Ala Glu Glu Val Met Gln Met  
1 5 10

<210> 8314

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8314

Gln Cys Leu Glu Asn Ser Leu Phe  
1 5

<210> 8315  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8315  
Met His Glu His Pro Ala Ser Leu Tyr Ser Trp Glu Asp Gly  
1 5 10

<210> 8316  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8316  
Trp Met Asn Gly Glu Asp Pro Asn Ile Leu Val Phe Glu Asp  
1 5 10

<210> 8317  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8317  
Thr Leu Ile Ser Arg Ala Pro Val Val Thr His Thr Tyr Leu  
1 5 10

<210> 8318  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8318  
Ser Thr Tyr Pro Ile Lys Ile Glu Val Ala Ser Gly Met Ile  
1 5 10

<210> 8319  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8319  
Thr Pro Ile Val Thr Tyr Leu Leu Thr Lys Glu Leu Lys Asp  
1 5 10

<210> 8320  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8320  
Leu Gly Thr Ile Leu Ser Arg Gln Ile Ser Phe Val Gly Phe  
1 5 10

<210> 8321  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8321  
Asn Glu Glu Gly Leu Gln Asn Gly Glu Gly Gln Arg Gly Arg  
1 5 10

<210> 8322  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8322  
Asp Gly Trp Gln Ile Leu His Pro Ser Ala Pro Asn Gly Gly  
1 5 10

<210> 8323  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8323  
Asn Ala Ser Cys Val Val  
1 5

<210> 8324  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8324  
Thr Leu Ala Ala Leu Phe Val Arg Glu Ala Phe Gly Pro Ser  
1 5 10

<210> 8325  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8325  
Asp Thr His Ser Pro Pro Asn Leu Arg Val His Gly Pro Leu  
1 5 10

<210> 8326  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8326  
His Val Phe His Phe Gly Ala Val Ser Pro Gln Thr Ser Gln  
1 5 10

<210> 8327  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8327  
Thr Ser Glu Val Gly Thr Gln Pro Arg Met Gly Asn Leu Gly  
1 5 10

<210> 8328  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8328  
Phe Ala Phe His Met Arg Thr Ser Leu Tyr Gly Phe Phe Trp  
1 5 10

<210> 8329  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8329  
Leu Ile Phe Leu Asp Arg Arg Gly Asp His Glu Val Glu Gln  
1 5 10

<210> 8330  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
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<400> 8330  
Val Val Ser Gln Trp Ser Arg Ser Ala Ser Arg Asn Arg Arg  
1 5 10

<210> 8331  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8331  
Arg Arg Gln Pro Arg Val Met Ser Gln Trp Ser Thr Ser Ala  
1 5 10

<210> 8332  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<400> 8332  
Ala Leu Gly Ala Ser Gly Arg Ser Gly His Glu Leu Ser Ala  
1 5 10

<210> 8333



<211> 14  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8333  
Gly Ala Thr Val His Arg Thr Leu Gly Gln Gln Val Pro Tyr  
1 5 10

<210> 8334  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8334  
Ser Ser Thr Thr Thr Lys Ile Thr Lys Thr Val Lys Gly  
1 5 10

<210> 8335  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8335  
Val Leu His Tyr Phe Val Glu Phe Leu Phe His Ile Ser Arg  
1 5 10

<210> 8336  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8336  
Leu Tyr Trp Gly His His Ser Ser Met Asn Trp Ile Ala Leu  
1 5 10

<210> 8337  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8337

Val Ile Arg Met Pro Phe Cys His Leu Ser Thr Tyr Ser Leu  
1 5 10

&lt;210&gt; 8338

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8338

Arg Glu Gln Leu Tyr Thr Thr Ala Ser Leu Lys Cys Ser Leu  
1 5 10

&lt;210&gt; 8339

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8339

Ala Phe Gln Leu Val Ser Phe Gly Lys Leu Ser Ile Glu Lys  
1 5 10

&lt;210&gt; 8340

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8340

Lys Gly Ala Lys Ile Thr Trp Leu Gln Asp Gln Gln Val Pro  
1 5 10

&lt;210&gt; 8341

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8341

Arg Leu Glu Pro Asn Ala Pro Ala Gln Met Tyr Arg Leu Thr  
1 5 10

&lt;210&gt; 8342

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 8342

Phe	Ser	Arg	Ser	Ala	Asp	Pro	Pro	Ala	Tyr	Gln	Gln	Gly	Gln
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<210> 8343

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8343

Asp	Val	Thr	Lys	Gly	Arg	Lys	Phe	Tyr	Gly	Pro	Glu	Gly	Pro
1				5					10				

<210> 8344

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 8344

Glu	Gly	Ser	Asp	Ala	Glu	Gly	Lys	Ala	Val	Glu	Thr	Ala	Ala
1				5					10				

<210> 8345

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8345

Glu	Gly	Ser	Asp	Ala	Glu	Pro	Lys	Ala	Val	Glu	Thr	Ala	Ala
1				5					10				

<210> 8346

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8346

Leu Lys Ala Tyr Phe Cys Leu Tyr His Ile Cys Arg Asn His  
 1 5 10

<210> 8347  
 <211> 14  
 <212> PRT  
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<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8347  
 Glu Pro Thr Glu Asp Val Gly Pro Lys Glu Ala Glu Asp Asp  
 1 5 10

<210> 8348  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8348  
 Asn Arg Ser Gly Ala Glu Pro Lys Thr Gln Lys Asp Ser Pro  
 1 5 10

<210> 8349  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8349  
 Arg Arg Cys Leu Pro Leu Cys Ala Leu Thr Leu Glu Ala Ala  
 1 5 10

<210> 8350  
 <211> 14  
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 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8350  
 Leu Asn Leu Glu Gly Phe Leu Ser Gly Ser Gln Ser Arg Leu  
 1 5 10

<210> 8351  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 8351  
Glu Gln Gly Glu Pro Met Ala Pro Arg Arg Thr Pro Ala Arg  
1 5 10

<210> 8352  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8352  
Ile Ile Ser Pro Thr Arg Gln Leu Ala Ser Gln Ile His Arg  
1 5 10

<210> 8353  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8353  
Phe Asn Leu Pro Leu Leu Met Leu Gly Gly Gly Gly Tyr Thr  
1 5 10

<210> 8354  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8354  
Lys Pro Ser Gly Gly Ala Leu Ala Ala Asp Gly Glu Gln Asp  
1 5 10

<210> 8355  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 8355  
Ala Lys Arg Arg Gly Pro Gly Thr Thr Ile Lys Ala Lys Gln  
1 5 10

<210> 8356  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8356  
Leu Gly Pro Pro Ala Pro Gly Asp Lys Gly Ser Gly Pro Pro  
1 5 10

<210> 8357  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8357  
Thr Tyr Gln Leu Ser Glu Pro Ser Tyr Gln Pro Thr Ser Ile  
1 5 10

<210> 8358  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8358  
Thr Tyr Gln Leu Ser Glu Asn Ser Tyr Gln Pro Thr Ser Ile  
1 5 10

<210> 8359  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8359  
Leu Pro Ile Ser Pro Ala Thr Pro Pro Gly Asn Asp Glu Lys  
1 5 10

<210> 8360  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 8360  
Phe Lys Asn Gly Asp Tyr Asn Glu Val Met Lys Thr Arg Ile  
1 5 10

<210> 8361  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8361  
Asn Leu Ser Val Asn Leu Thr Gly Glu Gly Met Ser Gln Ala  
1 5 10

<210> 8362  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8362  
Val Cys Leu Val Leu Trp Pro Leu His Ser Glu Gly Ser Gly  
1 5 10

<210> 8363  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8363  
Leu His Ser Glu Gly Ser Arg Gly Lys Leu Thr Ala Val Asp  
1 5 10

<210> 8364  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8364  
Lys Asn Phe Thr Met Asn Lys Lys Leu Lys Lys Phe Phe Asn  
1 5 10

<210> 8365

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8365  
Lys Leu Pro Gln Glu Gln Arg Gln Leu Pro Tyr Pro Ser Glu  
1 5 10

<210> 8366  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8366  
Asp Lys Leu Lys Leu Thr Ser Phe Glu Leu Ala Pro Lys Ser  
1 5 10

<210> 8367  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8367  
Val Val His Gly Arg Leu Asn Thr Ile Asn Cys Glu Glu Gly  
1 5 10

<210> 8368  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8368  
Ala Pro Leu Phe Arg Asn Arg Ala Ile His Thr Gly Lys His  
1 5 10

<210> 8369  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation



<400> 8369  
Met Gln Asp Ile His Phe Tyr Tyr Gly Arg Phe Gln Glu Phe  
1 5 10

<210> 8370  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8370  
Leu Thr Asn Lys Phe Glu Tyr Lys Thr Val Ala Tyr Thr Glu  
1 5 10

<210> 8371  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8371  
Lys Glu Arg Phe Tyr Glu Ser Arg Cys Arg Pro Val Thr Pro  
1 5 10

<210> 8372  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8372  
Tyr Ala Ala Ser Gly Gly Pro Arg Gln Val Pro Val Lys Trp  
1 5 10

<210> 8373  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8373  
Tyr Ala Ala Ser Gly Gly Phe Arg Gln Val Pro Val Lys Trp  
1 5 10

<210> 8374  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8374

His	Tyr	Ala	Leu	Ser	Phe	Asn	Leu	Leu	Val	Pro	Ser	Glu	Thr
1				5					10				

<210> 8375

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8375

Gly	Glu	Leu	Arg	Asp	His	Cys	Met	Glu	Ile	Thr	Ile	Arg	Asn
1				5					10				

<210> 8376

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8376

Ser	Glu	Thr	Thr	Lys	Gly	Ser	Tyr	Ser	Leu	Ser	Ile	Arg	Asp
1				5					10				

<210> 8377

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8377

Glu	Asp	Gln	Pro	Arg	Cys	Lys	Ser	Leu	Asp	Ser	Ala	Leu	Leu
1				5					10				

<210> 8378

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8378

Glu Asp Gln Pro Arg Cys Pro Ser Leu Asp Ser Ala Leu Leu  
 1 5 10

<210> 8379  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8379  
 Arg Asp Pro Asn Val Lys Gln Pro Asn Gly Arg Asp Thr Pro  
 1 5 10

<210> 8380  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8380  
 His Arg Asp Ile Lys Pro Arg Asn Leu Leu Leu Asp Pro Asp  
 1 5 10

<210> 8381  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8381  
 Glu Asn Gly Ala Val Glu Met Pro Arg Cys Ser Arg Gly Gln  
 1 5 10

<210> 8382  
 <211> 14  
 <212> PRT  
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<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8382  
 Val Leu Val Thr Gln Gln Phe Pro Cys Gln Asn Pro Leu Pro  
 1 5 10

<210> 8383  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8383  
Ile Thr Leu Gln Pro Gln Phe Val Gly Met Tyr Arg Leu Asn  
1 5 10

<210> 8384  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8384  
His Glu His Arg Lys Leu  
1 5

<210> 8385  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8385  
Gly Ile Asn Asp Ile Ile Gln Ala Pro Thr Ile Glu Gln Met  
1 5 10

<210> 8386  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8386  
Thr Ala Gly Glu Ala Leu Ser His Pro Tyr Phe Glu Ser Leu  
1 5 10

<210> 8387  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8387  
Leu Ile Gln Lys Met Leu Gly Tyr Asp Pro Ala Lys Arg Ile  
1 5 10

<210> 8388  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8388  
Gly Ala Ala Ser Pro Ser Ser Ala Glu Lys Gly Glu Pro Ala  
1 5 10

<210> 8389  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8389  
Ala Ala Glu Pro Gly Ser Ala Thr Ala Ala Glu Gly Glu Ala  
1 5 10

<210> 8390  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8390  
Asn Gly Asp Leu Asp Pro Val Ile Val Lys Ser Phe Leu Phe  
1 5 10

<210> 8391  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8391  
Ser Ile Gly Lys Ser Asn Met Asp Arg Arg Gln Ala Glu Ile  
1 5 10

<210> 8392  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 8392  
Thr Thr Glu Lys Thr Lys Val Ser Pro Thr Lys His Val Gln  
1 5 10

<210> 8393  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8393  
Gly Val Thr Leu Val Val Asp Arg  
1 5

<210> 8394  
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<213> Homo sapiens

<220>  
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<222> (7)...(0)  
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<400> 8394  
Phe Ser Glu Glu Val Thr Asn Gln Glu Asp Leu Met Arg Glu  
1 5 10

<210> 8395  
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<220>  
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<222> (7)...(0)  
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<400> 8395  
Lys Arg Lys Arg Arg Ser Gln Arg Ser Thr Gln Glu Asn Arg  
1 5 10

<210> 8396  
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<220>  
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<400> 8396  
Arg Asn Cys Ile Pro His His Val Phe Lys Gln Ser Asp  
1 5 10

<210> 8397

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<222> (7)...(0)  
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<400> 8397  
Asn Ile Ile His Leu Leu Ser Val Cys Ile Thr Asp Asp Pro  
1 5 10

<210> 8398  
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<400> 8398  
Ala Leu Val Thr Ile Val Gly Lys Gly Phe Ile Asn Ala Thr  
1 5 10

<210> 8399  
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<400> 8399  
Tyr Ser Gly Asp Tyr Tyr Cys Gln Gly Cys Ala Ser Lys Leu  
1 5 10

<210> 8400  
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<400> 8400  
Val Pro Leu Gly Pro Pro Lys Asn Ile Ser Ala Thr Arg Asn  
1 5 10

<210> 8401  
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<212> PRT  
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<220>  
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<400> 8401  
Asp Val Leu Thr Val Asn Arg Asp Ser Pro Ala Val Gly Pro  
1 5 10

<210> 8402  
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<400> 8402  
Val Arg Gly Pro Glu Asn Ser Met Val Thr Glu Tyr Val Glu  
1 5 10

<210> 8403  
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<400> 8403  
Ala Tyr Leu His Ala Gln Asp Tyr Ile His Arg Asp Leu Ala  
1 5 10

<210> 8404  
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<400> 8404  
Met Ala Tyr Leu His Ala His His Tyr Ile His Arg Asp Leu  
1 5 10

<210> 8405  
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<220>  
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<222> (7)...(0)  
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<400> 8405  
Phe Ala Arg Met Ile Lys Glu Phe Arg Ala Thr Leu Glu Cys  
1 5 10

<210> 8406  
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<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 8406

Arg Glu Gln Ala Arg Gln Asp Val Lys Gly Leu Glu Glu Thr  
1 5 10

<210> 8407

<211> 14

<212> PRT

<213> Homo sapiens

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<222> (7)...(0)

<223> cSNP translation

<400> 8407

Leu Arg Val Glu His Glu Lys Leu Lys Ala Thr Asp Gln Glu  
1 5 10

<210> 8408

<211> 14

<212> PRT

<213> Homo sapiens

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<222> (7)...(0)

<223> cSNP translation

<400> 8408

Cys His Cys Asp Pro Ser Ser Gly Gln Cys Pro Cys Leu Pro  
1 5 10

<210> 8409

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 8409

Ile Thr Phe Thr Gly Cys Met Gly Glu Thr Tyr Phe Asp Asn  
1 5 10

<210> 8410

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8410

Arg Tyr Ile Arg Leu Arg Phe Gln Arg Ile Arg Thr Leu Asn  
1 5 10

<210> 8411  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8411  
Cys Ser Met Gly Trp Leu Trp Ile Phe Gly Ala Ala Leu Gly  
1 5 10

<210> 8412  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8412  
Asn Val Thr Asp Ala Asp Arg Val Trp Met Glu Met Asp Asp  
1 5 10

<210> 8413  
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<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8413  
Gly Lys Pro Phe Lys Ile His Val Leu Val Glu Pro Asp His  
1 5 10

<210> 8414  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
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<400> 8414  
Ser Gly Gln Pro Ser Ala Thr Gly Ala Tyr Pro Ala Thr Gly  
1 5 10

<210> 8415  
<211> 14  
<212> PRT  
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<220>  
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 <222> (7)...(0)  
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<400> 8415  
 Arg Thr Ala Leu His Leu Ala Val Asp Leu Gln Asn Pro Asp  
 1 5 10

<210> 8416  
 <211> 14  
 <212> PRT  
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<220>  
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 <222> (7)...(0)  
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<400> 8416  
 Gln Gly Thr Glu Val Val Pro Ala Tyr Glu Glu Glu Asn Lys  
 1 5 10

<210> 8417  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 8417  
 His Gly Asp Leu Glu Pro Asp Glu Pro Ile Ser Asn His Thr  
 1 5 10

<210> 8418  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8418  
 Phe Glu Leu Ala Arg Gly Met Glu Ser Asp Phe Phe Tyr Glu  
 1 5 10

<210> 8419  
 <211> 14  
 <212> PRT  
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<220>  
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<400> 8419  
 Ile Asp Lys Thr Gln Arg Asn Arg Cys Pro Phe Cys Arg Phe  
 1 5 10

<210> 8420  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8420  
Thr Phe Ala Asn Gln Leu Gln Pro Leu Glu Met Asp Asp Thr  
1 5 10

<210> 8421  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8421  
Pro Leu Ile Gln Glu Met Met Glu Asn Ser Glu Gly His Glu  
1 5 10

<210> 8422  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8422  
Gly Ser Phe Pro Gly Gly Leu Pro Gly Gly Met Pro Gly Asn  
1 5 10

<210> 8423  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8423  
Gly Asn Phe Pro Gly Gly Ile Pro Gly Met Gly Gly Gly Met  
1 5 10

<210> 8424  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8424

Gly Gly Gly Met Pro Gly Val Ala Gly Met Pro Gly Leu Asn  
1 5 10

<210> 8425

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8425

Ala Gln Asn Pro Ala Asn Ile Ser Lys Tyr Gln Ser Asn Pro  
1 5 10

<210> 8426

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8426

Asn Leu Ile Ser Lys Leu  
1 5

<210> 8427

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8427

Pro Pro Thr Ile Ser Asn Pro Pro His Leu Ile Ser Ser Ala  
1 5 10

<210> 8428

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8428

His Leu Phe Pro Phe Glu Lys  
1 5

<210> 8429

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8429  
Gly Leu Pro Ser Pro Ala Ile Ile Pro Lys Asn Trp Pro Leu  
1 5 10

<210> 8430  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 8430  
Leu Leu Gly Asp Ile Asn Trp Ile  
1 5

<210> 8431  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8431  
Asn Lys Val Thr Thr Tyr Gln Ser Leu Trp Thr  
1 5 10

<210> 8432  
<211> 11  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8432  
Leu Gln Arg Val Ala Phe Arg Pro Leu Leu Gly  
1 5 10

<210> 8433  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> cSNP translation

<400> 8433  
Asp Leu Thr Cys Ser Thr  
1 5

<210> 8434  
<211> 14  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 8434  
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1 5 10

<210> 8435  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
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<400> 8435  
Ser Gly Ala Gly Gly Gly Thr Gly Ser Gly Gly Ser Gly Ser  
1 5 10

<210> 8436  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
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<400> 8436  
Ser Gln Pro Arg Arg Asn Leu Thr Lys Leu Ser Leu Ile Phe  
1 5 10

<210> 8437  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8437  
Lys Gly Ile Phe Pro Ser Gly Leu Phe Gln Gly Asp Thr Phe  
1 5 10

<210> 8438  
<211> 14  
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<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8438

Thr Gly Ser Met Cys Asn Ser Asn Ile Asp Glu Cys Ala Gly  
1 5 10

<210> 8439

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8439

Lys Asp Met Thr Ser Gly Asn Val Cys Thr Cys Arg Glu Gly  
1 5 10

<210> 8440

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8440

Glu Cys Gly Gln Lys Pro Arg Leu Cys Arg His Gly Gly Thr  
1 5 10

<210> 8441

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8441

Pro Gln Arg Ile Thr Gly Asn Lys Pro Leu Gln Asp Pro  
1 5 10

<210> 8442

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8442



Pro Gln Arg Ile Thr Gly Pro Lys Pro Leu Gln Asp Pro  
 1 5 10

<210> 8443  
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 <212> PRT  
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<220>  
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 <222> (7)...(0)  
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<400> 8443  
 Asp Ile Val Asp Glu Asp Met Lys Leu Met Met Ser Thr Leu  
 1 5 10

<210> 8444  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8444  
 Leu Thr Ile Gln Leu Ile His Asn His Phe Val Asp Glu Tyr  
 1 5 10

<210> 8445  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8445  
 His Gln Asn Asp Pro Trp Asp Pro Pro Val Val Phe Glu Gln  
 1 5 10

<210> 8446  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8446  
 Gln Tyr Arg Leu Gln Ile His Ser Met Ala Asp Gln Val Leu  
 1 5 10

<210> 8447  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 8447  
 Gln Pro Thr Leu Glu Gln Ala Gln Tyr Ser Trp Glu Arg Gln  
 1 5 10

<210> 8448  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
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<400> 8448  
 Ser Ser Cys Pro Phe Arg Lys Ala Met Ala Val Leu Arg Lys  
 1 5 10

<210> 8449  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
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<400> 8449  
 Ala Ile Ile His Tyr Ala Pro Val Pro Glu Thr Asn Arg Thr  
 1 5 10

<210> 8450  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
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<400> 8450  
 Lys Ile Leu Gly Ala Phe Met Gln Ile Ile Thr Phe Arg Asp  
 1 5 10

<210> 8451  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
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<400> 8451  
 Glu Ser Cys Asp Ser Ile Pro Gly Met Asn Leu Glu Ala Trp  
 1 5 10

<210> 8452  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8452  
Ala Ala Phe Gly Gly Gly Ser Asp Cys Gln Met Thr Cys Glu  
1 5 10

<210> 8453  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8453  
Val Leu Ile Glu Asn Val Pro Ser Leu  
1 5

<210> 8454  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8454  
Ile Glu Glu Glu Gln Lys Arg Lys Arg Lys Gly His Glu Tyr  
1 5 10

<210> 8455  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8455  
Tyr Thr Asn Ile Lys Tyr Pro Leu Ala Asp Gln Thr Ser Gly  
1 5 10

<210> 8456  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 8456  
Asn Leu Cys Asp Met Glu Met Val Asn Lys Val Gly Gln Thr  
1 5 10

<210> 8457  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8457  
Gly Lys Glu Glu Ala Cys Arg Ile Leu Val Asp Asn Leu Cys  
1 5 10

<210> 8458  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8458  
Val Ile Ala Gly Leu Leu Met Phe Thr Ile Asn Leu Leu Gly  
1 5 10

<210> 8459  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8459  
Ala Gly Leu Leu Thr Phe Ile Ile Asn Leu Leu Gly Val Met  
1 5 10

<210> 8460  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8460  
Leu Leu Thr Phe Thr Ile Ile Leu Leu Gly Val Met Leu Thr  
1 5 10

<210> 8461

<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8461  
Ser Ser Val Ser Cys Gly Ser Arg His Gln Ser Pro Ile Asp  
1 5 10

<210> 8462  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8462  
Ile Asp Ile Leu Asp Gln His Ala Arg Val Gly Glu Glu Tyr  
1 5 10

<210> 8463  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8463  
Val Cys Leu Ile Leu Leu Thr Ala Val Leu Val Tyr Trp Arg  
1 5 10

<210> 8464  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8464  
Gln Phe Ile Tyr Lys Ala Met Leu Ser Leu Val Ser Thr Lys  
1 5 10

<210> 8465  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8465

Thr Asp Thr Ile Tyr Asp Val Asp Glu Val Leu Leu Ala Leu  
1 5 10

&lt;210&gt; 8466

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8466

Leu Ser Val Phe Lys Asp Arg Leu Tyr Glu Leu Asp Ile Ser  
1 5 10

&lt;210&gt; 8467

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8467

Gly Ala Phe Val Gly Trp Arg Leu Phe Phe Gln Gln Asn Ala  
1 5 10

&lt;210&gt; 8468

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8468

Phe Arg Gln Leu Gln Lys Gly Lys Phe Gln Ile Ser Asn Asn  
1 5 10

&lt;210&gt; 8469

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8469

Ser Pro Val Ala Thr Ala Gln Ser  
1 5

&lt;210&gt; 8470

&lt;211&gt; 8

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8470

Ser Pro Val Ala Thr Ala Thr Ser  
1 5

<210> 8471

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8471

Ala Arg Gly Glu Pro Ala Leu Val Val Leu Thr Ser Leu Leu  
1 5 10

<210> 8472

<211> 2

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8472

His Pro  
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<210> 8473

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8473

Val Asp Ser Leu Ala Pro Pro Ile Thr Asn Val Leu Val Gln  
1 5 10

<210> 8474

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8474

Leu Ala Pro Ser Ile Thr Thr Val Leu Val Gln Gly Lys Gln  
 1 5 10

<210> 8475  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8475  
 Gly Arg Phe His Met Tyr Gly Gly Tyr Pro Leu Trp Lys Val  
 1 5 10

<210> 8476  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8476  
 Gly Arg Phe His Met Tyr Lys Gly Tyr Pro Leu Trp Lys Val  
 1 5 10

<210> 8477  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8477  
 Gln Met Gln Ala His Ala Gln Ala Gln Pro Gln Thr Thr Met  
 1 5 10

<210> 8478  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8478  
 Leu Ala Gln Met Gln Ala Gln Ala His Ala Gln Pro Gln Thr  
 1 5 10

<210> 8479  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens



<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8479  
Glu Tyr Lys Leu Arg Ser His Thr Leu Asn Ala Val Ser Phe  
1 5 10

<210> 8480  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8480  
Ser Ile Asn Arg Asp Ser Lys Glu Pro Phe Ser Ser Val Glu  
1 5 10

<210> 8481  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8481  
Gln Asp Gly Ser Asn Leu Thr Ala Ser Gln Arg Ala Tyr Ala  
1 5 10

<210> 8482  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8482  
Asn Gly Gly Ile Thr Asp Lys Leu Thr Glu Leu Ala Asn Phe  
1 5 10

<210> 8483  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8483  
His Phe Ile Thr Asp Thr Arg Ser Lys Gly Glu Thr Lys Phe  
1 5 10

<210> 8484  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8484  
Pro Asp Asn Ala Leu Arg Pro Thr Val Tyr Pro Lys Pro Glu  
1 5 10

<210> 8485  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8485  
Pro Asp Asn Ala Leu Arg Asn Thr Val Tyr Pro Lys Pro Glu  
1 5 10

<210> 8486  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8486  
Glu Glu Glu Lys Pro Leu Leu Arg Asn Glu Phe Gln Arg Gln  
1 5 10

<210> 8487  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8487  
Phe Val Phe Ser Leu Gln Thr Ile Pro Arg Ile Ala Thr Thr  
1 5 10

<210> 8488  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0) \

<223> cSNP translation

<400> 8488

Gly Arg Tyr Val Thr Val Leu Val Asp Pro Gln Ser  
1 5 10

<210> 8489

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8489

Asn Val His Phe Thr Glu Glu Lys Glu Leu Glu Phe Arg Ser  
1 5 10

<210> 8490

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8490

Thr Gln Ile Cys Lys Tyr Thr Ser Trp Ile Asn Lys Val Ile  
1 5 10

<210> 8491

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8491

Asn Leu Ser Ala Ser Val Thr Thr Val Gln Leu Pro Gln Gln  
1 5 10

<210> 8492

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8492

His Val Tyr Asn Asp Ser Ser Val Ser Pro Val Ser Glu Asn  
1 5 10

<210> 8493

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8493  
Lys Leu Thr Arg Ala Glu Thr Val Phe Pro Asp Val Asp Tyr  
1 5 10

<210> 8494  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8494  
Glu Asn Tyr Tyr Asp Leu Lys Lys Asp Val Lys Gln Phe Val  
1 5 10

<210> 8495  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8495  
Glu Ala Ala Ala Ala Thr Arg Phe Ala Ile Lys Phe Phe Ser  
1 5 10

<210> 8496  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8496  
Pro Pro Glu Val Lys Phe Lys Lys Pro Phe Val Phe Leu Met  
1 5 10

<210> 8497  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8497

Leu Asp Thr Val Thr Ala Arg Gln Lys Asn Leu Lys Ser Ala  
1 5 10

&lt;210&gt; 8498

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8498

Tyr Arg Val Arg Ser Ser Thr Ser Pro Thr Thr Asn Val Leu  
1 5 10

&lt;210&gt; 8499

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8499

Val Val Thr His Gly Tyr Phe Gly Leu Gly Val Gly Asp Gln  
1 5 10

&lt;210&gt; 8500

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8500

Gln Lys Gly Trp Val Asp Phe Phe Val Pro Lys Phe Ser Ile  
1 5 10

&lt;210&gt; 8501

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8501

Val Thr Val Pro Glu Leu Gln Glu Ala Tyr His Ala Val Val  
1 5 10

&lt;210&gt; 8502

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8502  
Pro Ala Gly Ser Thr Pro Gly Phe Cys His His Phe Ser Thr  
1 5 10

<210> 8503  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8503  
Val Ala Lys Ala Phe Gly Thr Gly Ala Asp Phe Val Met Leu  
1 5 10

<210> 8504  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8504  
Glu Cys Ala Gly Glu Val Ile Glu Arg Asn Gly Arg Lys Leu  
1 5 10

<210> 8505  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8505  
Glu Glu Thr Lys Met Asn Ala Glu Pro Glu Arg Lys Phe Gly  
1 5 10

<210> 8506  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8506

Ser Ile Asp Gly Val Gln Arg Ile Ser Leu Glu Asp Ala Leu  
1 5 10

<210> 8507  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8507  
Trp Lys Ser Glu Pro Gly Lys Val Lys Ala Ala Val Lys Tyr  
1 5 10

<210> 8508  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8508  
Glu Glu Gln Leu Arg Gln Gly Arg Glu Glu Gln Gln Leu Arg  
1 5 10

<210> 8509  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8509  
Arg Gln Val Gly Glu Ile Gln Ser Gln Glu Gly Lys Gly His  
1 5 10

<210> 8510  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8510  
His Val His Pro Leu Thr His Leu Ile Thr Tyr Ser Asn Glu  
1 5 10

<210> 8511  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8511  
Thr Ser Thr Thr Ser Ala Pro Thr Thr Ser Thr Thr Ser Gly  
1 5 10

<210> 8512  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8512  
Arg Ser Asn Met Glu Arg Pro Asn Asn Glu Tyr His Ile Leu  
1 5 10

<210> 8513  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8513  
Arg Asp Ile Lys Lys Thr Thr Lys Ile Lys Thr Val Val Gln  
1 5 10

<210> 8514  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8514  
Arg Asp Ile Lys Lys Thr Ser Lys Ile Lys Thr Val Val Gln  
1 5 10

<210> 8515  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8515  
Asp Glu Lys Met Leu Ile Asn Ile Leu Thr Glu Arg Ser Asn  
1 5 10



<210> 8516  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8516  
Asn Phe Ser Ala Ala Lys Ser Leu Phe Asn Gln Asp Ser Asp  
1 5 10

<210> 8517  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8517  
Arg Val Phe Asp Lys Glu Ser Asn Gly Thr Val Met Gly Ala  
1 5 10

<210> 8518  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8518  
Pro Val Ala Pro Pro Lys Glu Pro Glu Val Pro Pro Val Lys  
1 5 10

<210> 8519  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8519  
Leu Gln Ala Gln Tyr Ser Lys Lys Ser Ala Leu Glu Asn Met  
1 5 10

<210> 8520  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8520

Leu	Gln	Ala	Gln	Tyr	Ser	Pro	Lys	Ser	Ala	Leu	Glu	Asn	Met
1					5							10	

&lt;210&gt; 8521

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8521

Leu	Glu	Ile	Asp	Leu	Gln	Thr	Gln	Tyr	Ser	Thr	Lys	Ser	Ala
1				5							10		

&lt;210&gt; 8522

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8522

Arg	Lys	Glu	Ala	Lys	Lys	Arg	Gly	His	Lys	Lys	Pro	Arg	Lys
1				5							10		

&lt;210&gt; 8523

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8523

Gln	Gln	Lys	Gln	Pro	Cys	Thr	Pro	Pro	Pro	Gln	Leu	Gln	Gln
1				5						10			

&lt;210&gt; 8524

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8524

Tyr	Thr	Ala	Leu	Ser	Glu	Arg	Glu	Ser	Pro	Arg	Leu	Phe	Ser
1				5							10		

&lt;210&gt; 8525

<211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8525  
 Arg Tyr Ala Gly Tyr Lys His Pro Asp Gly Ser Thr Leu Gly  
 1 5 10

<210> 8526  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8526  
 Tyr Ala Gly Tyr Lys Gln Arg Asp Gly Ser Thr Leu Gly Asp  
 1 5 10

<210> 8527  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8527  
 Gly Val Thr Leu Arg Thr Asn Glu Val Thr Asn Arg Leu Arg  
 1 5 10

<210> 8528  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8528  
 Leu Val Gly Lys Tyr Thr Glu Phe Ser Asp Ser Tyr Ala Ser  
 1 5 10

<210> 8529  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

&lt;400&gt; 8529

Gln Leu Trp Asp Thr Ala Asn Arg Val Lys Gly Lys Phe Gly  
 1 5 10

&lt;210&gt; 8530

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8530

Leu Trp Asp Thr Ala Lys Ser Val Lys Gly Lys Phe Gly Arg  
 1 5 10

&lt;210&gt; 8531

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8531

Thr Ala Lys Arg Val Lys Glu Lys Phe Gly Arg Lys Leu Tyr  
 1 5 10

&lt;210&gt; 8532

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8532

Thr Ser Ser Thr Ser Gly Arg Lys Arg Asn Ser Val Asp Thr  
 1 5 10

&lt;210&gt; 8533

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8533

Thr Glu Gln Ile Leu Arg Gly Ile Gln Gln His Lys Glu Glu  
 1 5 10

&lt;210&gt; 8534

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8534

Phe	Cys	Arg	Arg	Pro	Val	Asn	Phe	Glu	Leu	Met	Ser	Glu	Trp
1				5					10				

<210> 8535

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8535

Asp	Ile	Thr	Lys	Arg	Glu	Lys	Phe	Ser	Pro	Leu	Thr	Ala	Asn
1				5					10				

<210> 8536

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8536

Asp	Gln	Asp	Gly	Tyr	Tyr	Trp	Ile	Thr	Gly	Arg	Ile	Asp	Asp
1				5					10				

<210> 8537

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8537

Ala	Leu	Lys	Val	Pro	Val	Leu	Glu	Asp	Lys	Tyr	Thr	Ala	Gln
1				5					10				

<210> 8538

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8538

Val Glu Asn Ala Leu Met Glu His Pro Ala Val Val Glu Thr  
1 5 10

<210> 8539  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8539  
Ser Thr Ser Pro Lys Asn Ser Tyr Lys Leu Thr Gly Thr Ser  
1 5 10

<210> 8540  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8540  
Glu Cys Pro Phe Gly Tyr Thr Leu Ala Gly Asn Glu Cys Val  
1 5 10

<210> 8541  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8541  
Ser Met Val Leu Lys Asp Met Gly Leu Lys Lys Glu Asp Ile  
1 5 10

<210> 8542  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8542  
Val Asn Ile Asn Gly Gly Ser Val Ser Leu Gly His Pro Ile  
1 5 10

<210> 8543  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8543  
Glu Tyr Gly Leu Ala Ser Phe Cys Asn Gly Gly Gly Gly Ala  
1 5 10

<210> 8544  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8544  
Met Cys Asn Glu Ser Ser Ile Gln Ser Leu Arg Gln Arg Lys  
1 5 10

<210> 8545  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8545  
Asn Glu Ser Ser Met Gln Arg Leu Arg Gln Arg Lys Ser Val  
1 5 10

<210> 8546  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8546  
Val Ile Val Cys Cys Cys His Val Lys Ile Tyr Ile Thr Val  
1 5 10

<210> 8547  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8547  
Ser Ala Pro Arg Val Thr Asn Gly Ser Thr Tyr Ile Leu Val  
1 5 10

<210> 8548  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8548  
Arg Arg Arg Arg Ser Ala Thr Thr Phe Leu Leu Phe Val Ala  
1 5 10

<210> 8549  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8549  
Gly Met Trp Ala Pro Glu Gly Ser Ala Glu Ala Arg Gly Asn  
1 5 10

<210> 8550  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8550  
Leu His Leu Phe Asp Tyr Ala Glu Pro Gly Asn Phe Ser Asp  
1 5 10

<210> 8551  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8551  
Asp Gly Pro Gly Gly Gly Arg Ala  
1 5

<210> 8552  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT



<222> (7)...(0)

<223> cSNP translation

<400> 8552

Gly Met Trp Ala Pro Glu Gly Ser Ala Glu Ala Arg Gly Asn  
1 5 10

<210> 8553

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8553

Thr Ile Phe Tyr Ala Leu Arg Tyr His His Ile Met Thr Ala  
1 5 10

<210> 8554

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8554

Leu Ile Ser Ile Pro Pro Ile Leu Gly Trp Arg Thr Pro Glu  
1 5 10

<210> 8555

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8555

Gln Leu Ala Leu Trp Ala Thr Ala Tyr Leu Ala Leu Val Leu  
1 5 10

<210> 8556

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8556

His Val Lys Leu Ser Ser Ala Trp Tyr Met Gly Gln Gly Lys  
1 5 10

<210> 8557

<211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8557  
 Ser Val Phe Tyr Thr Asn Val Val Pro Met Leu Asn Pro Phe  
 1 5 10

<210> 8558  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8558  
 Gly Glu Met Val Ala Arg Arg Ser Leu Ser Val Ala Leu Lys  
 1 5 10

<210> 8559  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8559  
 Ala Pro Ala Ala Gln Gly Thr Ser Ser Arg Pro Gln Ala Ser  
 1 5 10

<210> 8560  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8560  
 Tyr Gly Val Asp Lys Lys Pro Lys Arg Gly Met Pro Asp Val  
 1 5 10

<210> 8561  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

&lt;400&gt; 8561

Tyr Gly Val Asp Lys Lys Gly Lys Arg Gly Met Pro Asp Val  
1 5 10

&lt;210&gt; 8562

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8562

Asp Leu Gln Gly Gln Ile Lys Leu Ile Ser Ala Gly Asn Asn  
1 5 10

&lt;210&gt; 8563

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8563

Gly Phe Pro Ala Leu Pro Met Pro Pro Pro  
1 5 10

&lt;210&gt; 8564

&lt;211&gt; 6

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8564

Ile Leu Gln Gln Ala Val  
1 5

&lt;210&gt; 8565

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8565

Thr Lys Leu Leu Ile Leu His Gln Ala Val Gln Val Ile Leu  
1 5 10

&lt;210&gt; 8566

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8566

Ile	Ala	Lys	Met	Ala	Lys	Ala	Val	Lys	Tyr	Asp	Val	Gln	Ala
1				5								10	

<210> 8567

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8567

Asp	Glu	Ala	Phe	Glu	Asp	Ser	Gly	Asp	Gly	Asp	Phe	Glu	Gly
1				5								10	

<210> 8568

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8568

Ala	Gly	His	Met	Ala	Pro	Met	Gly	His	Leu	Pro	Pro	Phe	Ser
1				5								10	

<210> 8569

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8569

Ser	Pro	Gly	Lys	Thr	Pro	Tyr	Gln	Glu	Val	Thr	Ser	Glu	Glu
1				5								10	

<210> 8570

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8570

Val Thr Ser Glu Glu Glu Thr Arg Ala Thr Asp Ser Ala Thr  
 1 5 10

<210> 8571  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8571  
 Arg Ala Thr Asp Ser Ala Asn Ile Val Ser Pro Pro Pro Ser  
 1 5 10

<210> 8572  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8572  
 Leu Gly Arg Pro Pro Val Gln Arg Arg Leu Asp Leu Glu Thr  
 1 5 10

<210> 8573  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8573  
 Asp His Gln Tyr Leu Ala Ala Ser Ser Gly Pro Ala Arg Gly  
 1 5 10

<210> 8574  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8574  
 His Gln Tyr Leu Ala Glu Arg Ser Gly Pro Ala Arg Gly Arg  
 1 5 10

<210> 8575  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8575  
 Val Leu Ala Arg Arg Lys Ser Arg Asp Phe His Ala Lys Leu  
 1 5 10

<210> 8576  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8576  
 Lys Gly Ser Val Arg Lys Leu Leu Leu Lys Phe Ile Pro Gly  
 1 5 10

<210> 8577  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8577  
 Gly Ala Phe Ser Arg Gln Gln Ser Thr Asp Asp Glu Cys Phe  
 1 5 10

<210> 8578  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8578  
 Leu His Ile His Gln Arg Glu His Thr Gly Glu Arg Pro Tyr  
 1 5 10

<210> 8579  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8579  
 Gln Ser Ser Asn Leu His Ser His Gln Arg Val His Lys Lys  
 1 5 10

<210> 8580  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8580  
Lys Ser Ser Ala Gly Gly Pro Lys Ala Gly Gln Pro Glu Ser  
1 5 10

<210> 8581  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8581  
Cys Asp Glu Cys Gly Lys Thr Phe Ser Gln Ser Ser Asp Leu  
1 5 10

<210> 8582  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8582  
Ser Pro Ser Leu Ser Pro Lys Ser Pro Leu Pro Ser Glu His  
1 5 10

<210> 8583  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8583  
Ala Phe Lys Ala Ile Lys Arg Glu Lys Leu Glu Glu Pro Pro  
1 5 10

<210> 8584  
<211> 5  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 8584  
Gln Tyr Ile Lys Tyr  
1 5

<210> 8585  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8585  
Leu Asp Lys Ala Thr Glu Gly Asp Ser Gln Val Pro Ser Ile  
1 5 10

<210> 8586  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8586  
Tyr Tyr Ala Ser Ala Phe Pro Met Met Leu Gly Leu Phe Ile  
1 5 10

<210> 8587  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8587  
Ser His Pro Ser Ala Ser Leu Gly Lys Leu Leu Leu Pro Gln  
1 5 10

<210> 8588  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8588  
Glu Asp His Gly Glu Lys Asn Gln Lys Leu Glu Asp His Gly  
1 5 10

<210> 8589



<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8589  
Asn Pro Gly Glu Lys Asn Gln Lys Leu Glu Asp His Ser Glu  
1 5 10

<210> 8590  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8590  
Phe Pro Val Phe Leu Gly Gly Pro Val Ser Pro Gln Thr Leu  
1 5 10

<210> 8591  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8591  
Leu His Arg Arg Leu Pro Val Arg Trp Asn Pro Leu Cys Lys  
1 5 10

<210> 8592  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8592  
Leu Ser Ile Pro Lys Glu Ser Ser Ile Gln Lys Gly Asn Ile  
1 5 10

<210> 8593  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8593

Ile Trp Gly Gly Glu Asn Phe Glu Leu Ser Phe Lys Val Trp  
1 5 10

&lt;210&gt; 8594

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8594

Lys Val Val Asp Cys Ser Pro Glu Glu Thr Arg Leu Ser Arg  
1 5 10

&lt;210&gt; 8595

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8595

Trp Gln Ile Gln Glu Thr Pro Pro Pro Ser Ser Trp Pro Gln  
1 5 10

&lt;210&gt; 8596

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8596

Ser Val Arg Asn Asn Ile Thr Tyr Gly Leu Gln Ser Cys Glu  
1 5 10

&lt;210&gt; 8597

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8597

Ile Ala His Arg Leu Gln Ala Val Gln Arg Ala His Gln Ile  
1 5 10

&lt;210&gt; 8598

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8598

Gln Lys Leu Ala Gln Leu Gln Glu Gly Gln Asp Leu Tyr Ser  
1 5 10

<210> 8599

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8599

Met Leu Ser Ile Val Ile Leu Pro Phe Gly Glu Tyr Pro Ala  
1 5 10

<210> 8600

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8600

Asn Asn Val Leu Asp Ala Gly Lys Ala Phe Val Ser Val Ser  
1 5 10

<210> 8601

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8601

Asn Asn Val Leu Asp Ala Lys Lys Ala Phe Val Ser Val Ser  
1 5 10

<210> 8602

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8602

Asp Lys Gly Val Val Ala Glu Phe Asp Ser Pro Ala Asn Leu  
 1 5 10

<210> 8603  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8603  
 Arg Asp Tyr Asp Glu Val Thr Ala Phe Leu Gly Glu Trp Gly  
 1 5 10

<210> 8604  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8604  
 Gly Phe Asn Gly Met Ser Phe Val Phe Leu Ala Gly Thr Pro  
 1 5 10

<210> 8605  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8605  
 Ser Ser Ala Trp Arg Asn His Ser Val Pro Leu Arg Leu Arg  
 1 5 10

<210> 8606  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8606  
 Glu Val Pro His Ser Cys Arg Arg Tyr Arg Leu Ala Thr Ile  
 1 5 10

<210> 8607  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8607  
 Glu Val Ser Pro Thr Ala Phe Arg Gly Ala Leu Gly Thr Leu  
 1 5 10

<210> 8608  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8608  
 Pro Glu Arg Arg Val Val Ile Val Val Phe Leu Gly Leu Leu  
 1 5 10

<210> 8609  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8609  
 Met Ser Gln Ala Gly Pro Ile Arg Arg Ser Thr Ala Trp Trp  
 1 5 10

<210> 8610  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8610  
 Ser Gln Ala Gly Pro Lys  
 1 5

<210> 8611  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8611  
 Thr Thr Ser Pro Thr Ala Ser Ser Pro Ser Ala Thr Ala Ser  
 1 5 10

<210> 8612  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8612  
Leu Leu Leu Tyr Ile Tyr Cys Lys Gly Ile Tyr Asp Gly Asp  
1 5 10

<210> 8613  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8613  
Tyr Phe Glu Lys Val Leu Asn Ser Ser Asp Thr Ser Leu Trp  
1 5 10

<210> 8614  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8614  
Leu Thr Val Asn Trp Gln Asp His Ser Val Pro Val Glu Gly  
1 5 10

<210> 8615  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8615  
Met Leu Thr Val Asn Trp His His His Ser Val Pro Val Glu  
1 5 10

<210> 8616  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8616

Leu	Gly	Asp	Pro	Gln	Ile	Leu	Leu	Leu	Asp	Glu	Pro	Thr	Ala
1				5								10	

&lt;210&gt; 8617

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8617

Asn	Asn	Arg	Thr	Thr	Gln	Phe	Thr	Asp	Pro	Arg	Leu	His	His
1				5								10	

&lt;210&gt; 8618

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8618

Asp	Met	Cys	Pro	Arg	Pro	Glu	Ser	Pro	Val	Phe	Gly	Ala	Ser
1				5								10	

&lt;210&gt; 8619

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8619

Gly	Leu	Leu	His	Ala	Tyr	Gln	Pro	Gln	Val	Tyr	Gly	Tyr	Asp
1				5								10	

&lt;210&gt; 8620

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8620

Glu	Ile	Lys	Ser	Lys	Lys	Met	Lys	Glu	Lys	Ser	Lys	Lys	Gln
1				5								10	

&lt;210&gt; 8621

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8621  
Lys Gly Ser Gln Phe Gly His Ser Cys Cys Leu Arg Ala Lys  
1 5 10

<210> 8622  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8622  
Ile Ser Leu Asp Ala Lys Phe Asn Leu Glu Asn Lys Asp Tyr  
1 5 10

<210> 8623  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8623  
Asn Ala Ala Trp Gln Glu  
1 5

<210> 8624  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8624  
Ala Gln Asp Tyr Lys Leu Arg Ile Lys Gln Ile Thr Glu Glu  
1 5 10

<210> 8625  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation



&lt;400&gt; 8625

Thr Thr Asn Cys Phe Leu Arg Val Glu Gly Thr Asp Gly His  
1 5 10

&lt;210&gt; 8626

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8626

His Gly Ser Ser Ser Ser Phe His Leu Gly Gly Leu Thr Asn  
1 5 10

&lt;210&gt; 8627

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8627

Asp Ser Lys Glu Asn Ile Gly Lys Asn Glu Gln Ile Asn Asp  
1 5 10

&lt;210&gt; 8628

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8628

Asp Ala Thr Pro Glu Val Ser Arg Glu Glu Asp Lys Thr Val  
1 5 10

&lt;210&gt; 8629

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8629

His Asn Ser Thr Asn Ser Glu Phe Ala Ala Glu Ala Glu Gly  
1 5 10

&lt;210&gt; 8630

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8630

Trp	Glu	Thr	Leu	Gln	Glu	Glu	Phe	Ser	Arg	Phe	Met	Thr	Glu
1				5					10				

<210> 8631

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8631

Val	Ala	Lys	Val	Pro	Ala	Val	Asn	Asn	Val	His	Met	Lys	His
1				5					10				

<210> 8632

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8632

Gln	Ser	Arg	Glu	Ile	Asp	Cys	Leu	Ser	Pro	Glu	Ala	Gln	Lys
1				5					10				

<210> 8633

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8633

Lys	Phe	Gln	Phe	Glu	Arg	Phe	Gly	Tyr	Phe	Ser	Val	Asp	Pro
1				5					10				

<210> 8634

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8634

Ala Asn Ser Arg Leu Pro  
1 5

<210> 8635  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8635  
Leu Ile Ile Ser His Asn Thr Ile Gln Tyr Leu Asp Ile Ser  
1 5 10

<210> 8636  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8636  
Thr Val Thr Ser Leu Cys Ile Tyr Leu Asp Leu Pro Trp Tyr  
1 5 10

<210> 8637  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8637  
Asp Ser Pro Asp Ser His Ser Asp Leu Glu Ser Asn Val Glu  
1 5 10

<210> 8638  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8638  
Asn Leu Arg Pro Phe His Asp Arg Met Glu Glu Cys Phe Lys  
1 5 10

<210> 8639  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8639  
Cys Ala Leu Gly Leu Ala Met Gln Asp Ala Thr Leu Ser Lys  
1 5 10

<210> 8640  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8640  
Gly Thr Leu Ser Pro Ser Leu Val Asn Ser Ser Ile Leu Lys  
1 5 10

<210> 8641  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8641  
Lys Pro Thr Gln Asp Ser Phe Glu Asn Thr Glu Ala His Gln  
1 5 10

<210> 8642  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8642  
Asp Asp Glu Gly Gly Glu Glu Gly Glu Asp Gly Ala Leu Asp  
1 5 10

<210> 8643  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8643  
Glu Val Asp Leu Phe Ile Phe Thr Gln Arg Ile Lys Val Leu  
1 5 10

<210> 8644  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8644  
Glu Val Asp Leu Phe Ile Pro Thr Gln Arg Ile Lys Val Leu  
1 5 10

<210> 8645  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8645  
Leu Ser Gly Ser Ser Leu Ser Gln Ala Pro Ser His Met Tyr  
1 5 10

<210> 8646  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8646  
Phe Gly Thr Asn Ala Ala Glu Phe Gln Thr Lys Thr Glu Glu  
1 5 10

<210> 8647  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8647  
Ser Pro Glu Ala Lys Pro Ser Pro Gly Lys Leu Pro Lys Gly  
1 5 10

<210> 8648  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8648

Val	Glu	Lys	Gln	Gln	Leu	Ala	Glu	Gln	Pro	Phe	Glu	Lys	Ala
1				5					10				

&lt;210&gt; 8649

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8649

Gly	Val	Glu	Lys	Gln	Gln	Phe	Pro	Glu	Gln	Pro	Phe	Glu	Lys
1				5					10				

&lt;210&gt; 8650

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8650

Phe	Leu	Lys	Leu	His	Ala	Ile	Leu	Arg	Asn	Ser	Ala	Glu	Val
1				5					10				

&lt;210&gt; 8651

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8651

His	Arg	Gly	Arg	Gly	Gly	Leu	Asn	Met	Arg	Gly	Gly	Asn	Phe
1				5					10				

&lt;210&gt; 8652

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8652

Val	Ser	Val	Val	Ser	Ala	Thr	Glu	Arg	Thr	Glu	Trp	Tyr	Pro
1				5					10				

&lt;210&gt; 8653

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8653  
Leu Ser Pro Asp Asp Lys Ser Phe Thr Arg Val Val Pro Arg  
1 5 10

<210> 8654  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8654  
Pro Leu Ser Leu Ser His Val Phe His Thr Ser Val Glu Asn  
1 5 10

<210> 8655  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8655  
Ser Arg Leu Gln Gly Val Arg Ala Leu Gly Gln Ala Ala Ser  
1 5 10

<210> 8656  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8656  
Glu Val Leu Glu Asp Asp Met Ser Ala Val Glu Phe Arg Gln  
1 5 10

<210> 8657  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8657

Pro Pro Leu Leu Thr Thr Thr Tyr Ile Leu Cys Leu Phe Cys  
1 5 10

&lt;210&gt; 8658

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8658

Gln Gln Phe Lys Ser Leu Gln Glu Tyr Leu Glu Asn Met Val  
1 5 10

&lt;210&gt; 8659

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8659

Lys Ser Asn Thr Phe Tyr Ala Ala Gly Lys Asn Tyr Leu Leu  
1 5 10

&lt;210&gt; 8660

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8660

Met Gly Leu Leu Ser Arg Thr Trp Ser Arg Leu Arg Gly Leu  
1 5 10

&lt;210&gt; 8661

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8661

Gln Val Arg Glu His Thr Ser His Leu Glu Ala Glu Leu Glu  
1 5 10

&lt;210&gt; 8662

&lt;211&gt; 14

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8662

Ala	Gln	Thr	Ser	Ala	Cys	Leu	Leu	Gln	Glu	Glu	Leu	Glu	Lys
1				5					10				

<210> 8663

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8663

Arg	Pro	Cys	Pro	Thr	Lys	Thr	Leu	Glu	Asp	Val	Val	Gly	Val
1				5					10				

<210> 8664

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8664

Ile	Asn	Ala	Ser	Lys	Asn	Phe	Asn	Leu	Asn	Ile	Thr	Trp	Ala
1				5					10				

<210> 8665

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8665

Phe	Thr	Thr	Glu	Lys	Ala	Gly	Lys	Ala	Leu	Glu	Ile	Ala	Glu
1				5					10				

<210> 8666

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8666

Thr Arg Lys Ala Ala Cys Ala Cys Asp Gln Lys Pro Cys Ser  
 1 5 10

<210> 8667  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8667  
 Gln Lys Pro Cys Ser Cys Ser Lys Gly Asp Val Asn Tyr Ala  
 1 5 10

<210> 8668  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8668  
 Val Cys Val Lys Lys Ile Thr Thr Arg Ser His Arg Asp Ser  
 1 5 10

<210> 8669  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8669  
 Lys Ser Ser Gln Pro Asp Leu Asp Lys Asn Pro Ala Ser Ser  
 1 5 10

<210> 8670  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8670  
 Arg Cys Pro Lys Thr Arg Leu Arg Lys Glu Val Lys Glu Glu  
 1 5 10

<210> 8671  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8671  
Asp Tyr Lys Ser Asn Phe  
1 5

<210> 8672  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8672  
Thr Pro Ala Ser Pro Ala Ser Asn Arg Ala Val Thr Pro Ser  
1 5 10

<210> 8673  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8673  
Asn Trp Thr Asn Leu Thr Thr Lys Cys Asp Val Tyr Ile Glu  
1 5 10

<210> 8674  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8674  
Cys Ile Arg Pro Phe Leu Leu Tyr Phe Asn Val Ser Gln Gln  
1 5 10

<210> 8675  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8675  
Asp Leu Val His Val Thr Met Lys Asn His Ala Arg Gln Ala  
1 5 10

<210> 8676  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8676  
Ala Arg Gln Ala Gly Val Leu Gly Leu Gly His Gln  
1 5 10

<210> 8677  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8677  
Asp Trp Trp Glu Lys Lys Ala Phe Ser Glu Asp Val Asn Trp  
1 5 10

<210> 8678  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8678  
Asn Tyr Gln Lys Gly Glu Arg Gly Glu Asp Ser Ser Glu Glu  
1 5 10

<210> 8679  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8679  
Thr Ser Tyr Ala Leu Ile Asp Glu Thr Val Asn Asn Tyr Arg  
1 5 10

<210> 8680  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8680

Val Ile Pro Ser Ser Ala Gln Lys Arg Glu Thr Tyr Thr Phe  
1 5 10

<210> 8681

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8681

Pro Trp Asn Ser Phe Asn Cys Asp Val Leu Lys Ala Leu Tyr  
1 5 10

<210> 8682

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8682

Glu Trp Ala Gln Arg Ala Ser Pro Glu Asp Leu Glu Phe Ile  
1 5 10

<210> 8683

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8683

Asp Cys Asp Tyr Val Val Lys Leu Gln Ala Ile Thr Tyr Trp  
1 5 10

<210> 8684

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8684

Ile Gly Cys Leu Gly Glu Gly Gly His Val Leu Ser Lys Val  
1 5 10

<210> 8685

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8685  
Ile Gly Cys Leu Gly Glu Pro Gly His Val Leu Ser Lys Val  
1 5 10

<210> 8686  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8686  
Ser Pro Arg Leu Cys Arg Lys Phe Ser Ser Pro Pro Pro Leu  
1 5 10

<210> 8687  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8687  
Thr Cys Asp Cys Ser Leu Tyr Ala Ser Pro Val Leu Thr Ala  
1 5 10

<210> 8688  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8688  
Lys Trp Ser Ser Arg Val Leu Lys Asn Val Ala Val Ile Pro  
1 5 10

<210> 8689  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8689  
Arg Glu Arg Gly Glu Gln Arg Thr Lys Arg Gly Arg Gly Lys  
1 5 10

<210> 8690  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8690  
Gly Glu Gln Gly Thr Lys Met Gly Arg Gly Lys His Phe Ile  
1 5 10

<210> 8691  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8691  
Trp Pro Thr Asp Val Leu Asn Gly Ala Ala Leu Ser Gln Tyr  
1 5 10

<210> 8692  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8692  
Ala Ser Phe Ile Lys Asp Lys Gly Lys Asp Lys Ala Leu Lys  
1 5 10

<210> 8693  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8693  
Val Lys Pro Thr Gln Thr Ile Ala Val Lys Glu Ser Leu Thr  
1 5 10

<210> 8694  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8694

Ile Val Arg Val His Asn Pro Cys Thr Asp Thr Val Arg Tyr  
1 5 10

<210> 8695

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8695

Pro Val Gln Ile Asp Phe Ile Asp Ser His Val Pro Gly Glu  
1 5 10

<210> 8696

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8696

Gln Asp Lys Gly Glu Glu  
1 5

<210> 8697

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8697

Leu Lys Ile Cys Leu Ala Glu Asp Glu Gly Leu Leu Thr Thr  
1 5 10

<210> 8698

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8698



Ile Leu Thr Ile Asp Ile Gly Arg Val Thr Pro Asn Leu Met  
1 5 10

<210> 8699  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8699  
Ser Ser Pro Arg Met Leu His Arg Ser Thr Gln Thr Thr Asn  
1 5 10

<210> 8700  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8700  
Phe Phe Gln Arg Leu Gln Pro Gly Leu Lys Trp Val Pro Glu  
1 5 10

<210> 8701  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8701  
Ile Leu Ser Ala Pro Trp Asn Leu Asp Leu Ile Ser Tyr Gly  
1 5 10

<210> 8702  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8702  
Tyr Gly Gln Asp Trp Arg Asn Tyr Tyr Lys Val Glu Pro Leu  
1 5 10

<210> 8703  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8703  
Gln Glu Trp Tyr Ala Arg Arg His Cys Pro Leu Lys Asn Pro  
1 5 10

<210> 8704  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8704  
Phe Gly Ser Phe Ser Asn Met Val Pro Cys Ser His Pro Tyr  
1 5 10

<210> 8705  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8705  
Leu Glu Thr Arg Val Met Gln Arg Arg Gly Met Glu Thr Cys  
1 5 10

<210> 8706  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8706  
Pro Leu Asp Val Ala Thr Asn Val Ser Ser Ala Lys Ala Thr  
1 5 10

<210> 8707  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8707  
Leu Gln Gln Leu Glu Lys Tyr Lys Pro Tyr Glu Glu Ala Leu  
1 5 10

<210> 8708  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8708  
Asp Trp Leu Pro Thr Leu Val Lys Leu Ala Arg Gly His Thr  
1 5 10

<210> 8709  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8709  
Pro Leu Asp Gly Phe Asp Met Trp Lys Thr Ile Ser Glu Gly  
1 5 10

<210> 8710  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 8710  
Ser Ala Ser Leu Lys His Ser Leu Asn Gly Glu Ser Arg Lys  
1 5 10

<210> 8711  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8711  
Gly Cys Lys Ser Ala Ser Pro Lys His Cys Leu Asn Gly Glu  
1 5 10

<210> 8712  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8712

Glu	Ser	Gly	Lys	Phe	Val	Lys	Cys	Thr	Glu	Gln	Leu	Glu	Leu
1				5					10				

&lt;210&gt; 8713

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8713

Pro	Val	Ile	Pro	Asn	Val	Ala	Phe	Leu	Trp	Ala	Trp	Asn	Ala
1				5					10				

&lt;210&gt; 8714

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8714

Gln	Arg	Leu	Ser	Ala	Leu	Trp	Arg	Tyr	Gln	Asp	Lys	Arg	Leu
1				5					10				

&lt;210&gt; 8715

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8715

Leu	His	Gly	Met	Ile	Met	Phe	Arg	Ile	Ser	Asp	Asp	Lys	Tyr
1				5					10				

&lt;210&gt; 8716

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8716

Arg	Gln	Phe	Val	Glu	Met	Pro	Arg	Thr	Arg	Ile	Glu	Gly	Leu
1				5					10				

&lt;210&gt; 8717

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8717  
Leu Ser Lys Glu Asn Gln Ser Glu Asn Ser Gln Thr Pro Thr  
1 5 10

<210> 8718  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8718  
Thr Val Arg Lys Ala Asp Ala Gly Gly Leu Gly Ile Ser Ile  
1 5 10

<210> 8719  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8719  
Ser Glu Ala Thr Leu Val Pro Leu Leu Ala Ala Arg Thr Lys  
1 5 10

<210> 8720  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8720  
Gln Glu Ala Thr Cys Ser Pro Pro Gln Ile Val Pro Glu Pro  
1 5 10

<210> 8721  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8721  
Gln Glu Ala Thr Cys Ser Gly Pro Gln Ile Val Pro Glu Pro  
1 5 10

<210> 8722  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8722  
Val Asp Met Ser Gly Asp Ser Gly Trp Leu Leu Asn Leu Phe  
1 5 10

<210> 8723  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8723  
Leu Leu Ser His Glu Gln Asn Gly Arg His Gln His Gly Ser  
1 5 10

<210> 8724  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8724  
His Leu Ala Ser His His Arg Asn Thr Gly Trp Val Leu Cys  
1 5 10

<210> 8725  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8725  
Ile Ala Leu Tyr Cys His Gly Phe Gly Glu Lys Tyr Leu Gly  
1 5 10

<210> 8726  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8726

Gly Thr Leu Gln Leu Gly Gly Ala Leu Arg Pro Arg Gly Leu  
1 5 10

<210> 8727

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8727

Lys Ile Arg Glu Glu Ile Val His Phe Gly Ile Lys Ile Tyr  
1 5 10

<210> 8728

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8728

Pro Ala Arg Trp Leu Thr Asn Leu Leu Arg Leu Leu Val Leu  
1 5 10

<210> 8729

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8729

Met Pro Ala Arg Trp Leu Lys His Leu Leu Arg Leu Leu Val  
1 5 10

<210> 8730

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8730

Phe Leu Gly Lys Met Ala Glu Tyr Asp Leu Thr Thr Arg Ile  
1 5 10

<210> 8731

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8731

Ser Val Lys Glu Ile Tyr Lys Glu Lys Glu Leu Leu Gln Gly  
1 5 10

<210> 8732

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8732

Pro Phe Ser Pro Thr Asp Ala Gly Trp Pro Ala Phe Met Arg  
1 5 10

<210> 8733

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8733

Val Val Val Ala Val Phe Phe Phe Leu Val Tyr Gln Ala Met  
1 5 10

<210> 8734

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8734

Leu Gly Pro Ile Gly Ala Arg Lys Ser Ser Phe Phe Asn Ser  
1 5 10

<210> 8735

<211> 14

<212> PRT

<213> Homo sapiens



<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8735  
Val Lys Ile Lys Arg Ile Gln Arg Glu Leu Val Asn Ala Gly  
1 5 10

<210> 8736  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8736  
Ala Ala Val Gln Gly Asp Leu Pro Gln Leu Gln Leu Ser Leu  
1 5 10

<210> 8737  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8737  
Leu Arg Leu Phe Leu Asp Gln Asp Leu Met Thr Leu Pro Ile  
1 5 10

<210> 8738  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8738  
Glu Glu Lys Gln Glu Lys Glu Glu Lys Arg Glu Glu Pro Met  
1 5 10

<210> 8739  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8739  
Glu Lys Glu Ala Glu Arg Lys Glu Glu Arg Arg Arg Glu Met  
1 5 10

<210> 8740  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8740  
Glu Tyr Glu Lys Glu Ala Lys Arg Glu Glu Glu Arg Arg Arg  
1 5 10

<210> 8741  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8741  
Leu Met Thr Ser Pro Met Pro Gly Ala Glu Leu Gly Thr Ala  
1 5 10

<210> 8742  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8742  
Tyr Glu Thr Gln Ala Ser Ser Ser Gly Pro Tyr Leu Thr Ser  
1 5 10

<210> 8743  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8743  
Gly Leu Leu Ile Gln Arg Gly Gln Ser Ser Ser Val Ser Trp  
1 5 10

<210> 8744  
<211> 2  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8744

Leu Ser

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<210> 8745

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8745

Glu Lys Leu Ser Thr Leu Ser Trp Phe Thr Val Glu Phe Gly

1

5

10

<210> 8746

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8746

Glu Lys Leu Ser Thr Leu

1

5

<210> 8747

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8747

Glu Leu Leu Gly Leu His Asn Phe Met Asp Ser Phe Lys Val

1

5

10

<210> 8748

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8748

Val Ser Ser Arg Val Phe Met Glu Gly Glu Pro Leu Ala Leu

1

5

10

<210> 8749

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8749  
Gly His Glu Lys Lys Val Thr Ser Ser Leu Gln Glu Asp Arg  
1 5 10

<210> 8750  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8750  
Leu Gln Val Leu Gly Leu Arg Leu Pro Thr Pro Val Trp Phe  
1 5 10

<210> 8751  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8751  
Asn Glu Asn Pro Phe Thr Cys Thr Cys Gly Ile Val Trp Leu  
1 5 10

<210> 8752  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8752  
Glu Ser Val Gln Leu Lys Asp Asn Ile Ala Arg Lys Gln Pro  
1 5 10

<210> 8753  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8753

Gly Lys Ser Val Trp Gly Ala Leu Ala Val Gln Asn Ser Pro  
1 5 10

&lt;210&gt; 8754

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8754

Glu Glu Ala Leu Gln Lys Lys Phe Asn Lys Leu Lys Lys Lys  
1 5 10

&lt;210&gt; 8755

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8755

Leu Thr Gly Asn Gly Asp Cys Tyr Ser Ser Gly Asn Asp Leu  
1 5 10

&lt;210&gt; 8756

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8756

Thr Pro Ala Tyr Gln Ser Leu Pro Ala Gly Gly His Ala Pro  
1 5 10

&lt;210&gt; 8757

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8757

Ser Gln Phe Leu Ala Pro Gln Ala Met Lys Lys Met Tyr Lys  
1 5 10

&lt;210&gt; 8758

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8758

Thr Gly Tyr Leu Ile Gln Gly Thr Gly Pro Lys Ser Cys Val  
1 5 10

<210> 8759

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8759

Thr Pro Asp Gly Asn Cys Asn Arg Glu Ala Phe Asp Val Tyr  
1 5 10

<210> 8760

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8760

Thr Lys Ser Leu Ser Phe Ser Arg Gly Cys Lys Val Lys Lys  
1 5 10

<210> 8761

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8761

Lys Ser Leu Ser Phe Arg Thr Gly Cys Lys Val Lys Lys His  
1 5 10

<210> 8762

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8762

Leu Ser Phe Arg Arg Gly Ser Lys Val Lys Lys His Glu Thr  
 1 5 10

<210> 8763  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8763  
 Ala Ala Cys Gly Pro Pro Arg Val Ala Pro Pro Ala Ala Val  
 1 5 10

<210> 8764  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8764  
 Gln Glu Ala Arg Gly Val Asp Thr Gln Arg Met  
 1 5 10

<210> 8765  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8765  
 Asn Glu Gln Gln Glu Ala Cys Gly Val His Thr Gln Arg Met  
 1 5 10

<210> 8766  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8766  
 Pro Glu Cys Thr Arg Cys Cys His Gly Ile Val Gly Thr Ile  
 1 5 10

<210> 8767  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8767  
Leu Val Pro Glu Ala Ser Glu Phe Asp Glu Trp Glu Pro Glu  
1 5 10

<210> 8768  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8768  
Gly Asn Ser Leu Asp Arg Arg Ser Gln Gly Gly Pro His Leu  
1 5 10

<210> 8769  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8769  
Ser Leu Ser Asp Leu Pro Ser Thr Arg Ala Gln  
1 5 10

<210> 8770  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8770  
Gly Ala Glu Arg Ile Thr His Val Ala Leu Asp Phe Trp Arg  
1 5 10

<210> 8771  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8771  
Asp Ser Val Glu Tyr Cys Ile Ile Gly Val Thr Ile Leu Ser  
1 5 10



<210> 8772  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8772  
Ile Gln Gly Asn Tyr Gly Phe Leu Pro Glu Leu Pro Ala Val  
1 5 10

<210> 8773  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8773  
Val Leu Gly Pro Cys Pro Ser Gln Leu Ala Tyr Cys Tyr Thr  
1 5 10

<210> 8774  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8774  
Glu Arg Arg Glu Thr Cys  
1 5

<210> 8775  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8775  
Met Thr Val Ala Asp Gly Ile Val Tyr Ile Ala Gln Gln Met  
1 5 10

<210> 8776  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8776

Tyr	Asn	Ser	Lys	Tyr	Lys	Arg	Tyr	Asp	Ile	Ala	Gln	Asp	Ala
1				5					10				

&lt;210&gt; 8777

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8777

Arg	Arg	Thr	Gln	Pro	Leu	Lys	His	Arg	Val	Val	Glu	Ser	Asn
1				5					10				

&lt;210&gt; 8778

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8778

Thr	Cys	His	Glu	Thr	Lys	Leu	Ala	Lys	His	Cys	Val	Lys	Cys
1				5					10				

&lt;210&gt; 8779

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8779

Leu	Ser	Pro	Asp	Leu	His	Thr	Arg	His	Gly	Ser	Ile	Leu	Ala
1				5					10				

&lt;210&gt; 8780

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8780

Val	Lys	Val	Gln	Phe	Phe	Tyr	Ser	Asn	Leu	Pro	Thr	Tyr	Tyr
1				5					10				

&lt;210&gt; 8781

<211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8781  
 Phe Leu Trp Tyr Thr Ala Ala Asn Lys Pro Arg Leu Asp Phe  
 1 5 10

<210> 8782  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8782  
 Gly Gly Ala Phe Ser Ser Lys Tyr Val Leu Ala Val Gly Ser  
 1 5 10

<210> 8783  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8783  
 Asp Gln Arg Gly Lys Arg Glu Phe Glu Arg Tyr Gly Gly Asn  
 1 5 10

<210> 8784  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 8784  
 Tyr Glu Phe Pro Phe Pro Pro Val Ala Thr Thr Pro Pro Pro  
 1 5 10

<210> 8785  
 <211> 1  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8785

Cys

1

<210> 8786

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8786

Ala Arg Asp Ala Gly Arg Phe Ser Ser Thr Glu Ser Gly Ala

1

5

10

<210> 8787

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8787

His Ser Lys Glu Leu Tyr Met Met Pro Arg Thr Met Val Asp

1

5

10

<210> 8788

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8788

Met Leu Trp Arg Val Lys Glu Ala Glu His Phe Lys Thr Trp

1

5

10

<210> 8789

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8789

His Ser Ile Ser Met Ile Ser

1

5

<210> 8790

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8790

Arg Gln Leu Gly Ser Leu Gly Lys Tyr Ala Glu Asp Ile Phe  
1 5 10

<210> 8791

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8791

Ile Ala Leu Ser Leu Val Ala Met Gly Ser Ser Asp Gly Glu  
1 5 10

<210> 8792

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8792

Glu Val Ala Arg Phe Tyr Asp Ala Ala Met His Val Asn Ala  
1 5 10

<210> 8793

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8793

Arg Trp Trp Glu Asp Cys Leu Thr Ser His Thr Cys Lys Ser  
1 5 10

<210> 8794

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8794

90

Phe Arg Tyr Pro Gln Asp His Gln Phe Tyr Ile Gln Asn Phe  
1 5 10

<210> 8795  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8795  
Arg Gly Gly Pro Arg Gly Leu Leu Ala Val Ala Gln Asp Leu  
1 5 10

<210> 8796  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8796  
Ile Ile Val Gly Asn Pro Arg Leu Leu Gly His Asp Pro Asp  
1 5 10

<210> 8797  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8797  
Pro Trp Leu Gln Asp Arg Thr Glu Asp Ser Gly Glu Asn Leu  
1 5 10

<210> 8798  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8798  
Val Pro Val Gly Tyr Gly Phe Arg Lys Leu Gln Ile Gln Cys  
1 5 10

<210> 8799  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8799  
Leu Glu Ala Arg Leu Asn Met Leu Glu Lys Ser Ser Pro Gly  
1 5 10

<210> 8800  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8800  
Glu Lys Asn Lys Lys Glu Ile Asn Ile Gln Gln Leu Thr Asn  
1 5 10

<210> 8801  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8801  
Cys Pro Asp Gly Phe Glu Gly Thr Glu Asp Ala Cys Val Pro  
1 5 10

<210> 8802  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8802  
Val Ile Ser Glu Cys Phe Cys Val Pro Leu Pro Arg His Leu  
1 5 10

<210> 8803  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8803  
Leu Ser Glu Ala Met Asn Glu Leu Asp Ala Val Gln Arg Glu  
1 5 10

<210> 8804  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8804  
His Leu Glu Glu Gln Ile Pro Lys Val Asp Arg Glu Tyr Glu  
1 5 10

<210> 8805  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8805  
Gln Pro Lys Leu Asp Glu Asp Thr Arg Arg Ile Lys Gln Gly  
1 5 10

<210> 8806  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8806  
Lys Thr Gln Gly Asn Thr Met Thr Phe Ile Tyr Arg Glu Lys  
1 5 10

<210> 8807  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8807  
Cys Gly Thr Ser Pro His Gly Tyr Arg Met Thr Val Leu Arg  
1 5 10

<210> 8808  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT



<222> (7)...(0)

<223> cSNP translation

<400> 8808

Cys Gly Thr Ser Pro His Pro Tyr Arg Met Thr Val Leu Arg  
1 5 10

<210> 8809

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8809

Arg Arg Asp Asp Asp Gly Ala Leu His Ala Ala Cys Gln Val  
1 5 10

<210> 8810

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8810

Glu Leu Leu Glu Lys Gly Ser Ile Thr Arg Gln Gly Lys Ser  
1 5 10

<210> 8811

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8811

Thr Phe Ala Ser Gln Val Thr Leu Glu Gly Asp Lys Leu Lys  
1 5 10

<210> 8812

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8812

Val Asn Glu Arg Gln Pro His Ala Arg Val Val Val Leu Gly  
1 5 10

<210> 8813

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8813  
Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val  
1 5 10

<210> 8814  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8814  
Gly Thr Ser Arg Gln Leu Pro Pro Ala Leu Gly Tyr Leu Gly  
1 5 10

<210> 8815  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8815  
Asn Ile Arg Cys Glu Gly Thr Thr Leu Gly Glu Leu Leu Lys  
1 5 10

<210> 8816  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8816  
Ser Ser Thr Pro Ser Asp Glu Lys Gly Lys Lys Arg Lys Arg  
1 5 10

<210> 8817  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8817

Cys Ala Ala Thr Tyr Met Thr Gly Asn Glu Leu Thr Phe Leu  
1 5 10

&lt;210&gt; 8818

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8818

Pro Ser Ser Lys Val Gly Arg  
1 5

&lt;210&gt; 8819

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8819

Tyr His Leu Pro Ser Ser Gln Val Gly Ser  
1 5 10

&lt;210&gt; 8820

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8820

Val Trp Ala Arg Leu Val Asp Leu His Thr Val His Phe Ile  
1 5 10

&lt;210&gt; 8821

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8821

Thr Gly Gln Ser Phe Phe Arg Val Trp Ala Arg Leu Val Ala  
1 5 10

&lt;210&gt; 8822

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8822

Met Ala Leu Tyr Gln Ser Leu Gly Phe Lys Lys Thr Gly Gln  
1 5 10

<210> 8823

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8823

Leu Gln Leu Phe His Leu Phe Val Asp Ser Glu His Arg Arg  
1 5 10

<210> 8824

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8824

Ser Leu Leu Trp Val Leu Met Pro Leu Val Thr Met Ala Trp  
1 5 10

<210> 8825

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8825

Gln Lys His Ser Ser Gly Arg Ser Asn Thr Ser Thr Ala Asn  
1 5 10

<210> 8826

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8826

Ser Arg Lys Thr Ser Asp Val Val Leu Lys Arg Lys Gln Thr  
 1 5 10

<210> 8827  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8827  
 Trp Ile Lys Ala Arg Val Ala Glu Leu Asn Pro Asp Lys Asn  
 1 5 10

<210> 8828  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8828  
 Arg Val Phe Glu Lys Tyr Gly Arg Val Gly Asp Val Tyr Ile  
 1 5 10

<210> 8829  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8829  
 His Ser Ile Arg Leu His Phe Ala Leu Gly Asp Pro Ala Pro  
 1 5 10

<210> 8830  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8830  
 Val Leu Arg Asp Ser Gly Ile His His Ser Ile Arg Leu His  
 1 5 10

<210> 8831  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8831  
Glu Glu Asp Val Thr Val His  
1 5

<210> 8832  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8832  
Ser Ile His Phe Asn Arg Val Asn Pro Asp Gly Glu Glu Glu  
1 5 10

<210> 8833  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8833  
Trp Gln Lys Asp Gln Leu Glu Thr Gln Leu His Trp Gln Glu  
1 5 10

<210> 8834  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8834  
Pro Gln Pro Leu Ser Ser Gln Ala Pro Leu Ala Lys His Leu  
1 5 10

<210> 8835  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8835  
Ala Ser His Pro Ser Ala Leu Phe Gln Ser Pro Pro Thr Pro  
1 5 10

<210> 8836  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8836  
Arg Gln His Phe Ile Ser Leu Asp Thr Asp Arg Ser Gly Thr  
1 5 10

<210> 8837  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8837  
Ser Arg Gly Gly Thr Leu Ser Thr Pro Gln Thr Gly Ser Glu  
1 5 10

<210> 8838  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8838  
Gln Glu Thr Tyr Leu Tyr His Ile Asp Lys Val Asp Ser Asn  
1 5 10

<210> 8839  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8839  
Asp Ile Arg Leu Arg Glu Glu Phe Ser Lys Met Cys Phe Glu  
1 5 10

<210> 8840  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8840

Phe	Leu	Gly	Met	Ala	Val	Ser	Thr	Leu	Cys	Gly	Glu	Val	Pro
1				5					10				

&lt;210&gt; 8841

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8841

Arg	Ser	Val	Arg	Ser	Gly	Phe	Ile	Thr	Gln	Asn	Arg	Gln	Asp
1				5					10				

&lt;210&gt; 8842

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8842

Glu	Ser	Gln	Val	Tyr	Leu	Trp	Gly	Thr	Gly	Leu	Arg	Gly	Lys
1				5					10				

&lt;210&gt; 8843

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8843

Phe	Leu	Gly	Met	Ala	Val	Asn	Thr	Leu	Cys	Gly	Glu	Val	Pro
1				5					10				

&lt;210&gt; 8844

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8844

Pro	Ser	Leu	Glu	Ala	Leu	Asn	Arg	Lys	Val	His	Asn	Phe	Gln
1				5					10				

&lt;210&gt; 8845



<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8845  
Ala Ala Gln Ala Val Glu Arg Pro Gly Trp Lys Ala Arg Arg  
1 5 10

<210> 8846  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8846  
Leu Leu Asn Arg Asn Asn Ala Val Trp Leu Ile Gln Lys Asn  
1 5 10

<210> 8847  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8847  
Ala Pro Pro Pro Ile Asn Lys Leu Ala Leu Phe Pro Asp Lys  
1 5 10

<210> 8848  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8848  
His Met Leu Leu Gly Ile Ser Ser Thr Leu Arg His Ala Val  
1 5 10

<210> 8849  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8849  
Leu Ala Trp Leu Ala Phe Thr Thr Thr Leu Asn Tyr Cys Val  
1 5 10

<210> 8850  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8850  
Ala Met Gln Ala Glu Gly Gln Gly Thr Gly Gly Ser Thr Gly  
1 5 10

<210> 8851  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8851  
Trp Leu His Lys Ser Thr  
1 5

<210> 8852  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8852  
Val Val Lys Ala Pro Asp  
1 5

<210> 8853  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8853  
Lys Thr Thr Met Leu Leu Tyr Lys Gln Phe Val Gln Trp Asp  
1 5 10

<210> 8854  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8854

Ala	Gln	Asp	Tyr	Leu	Gln	Tyr	Val	Leu	Gln	Ile	Pro	Gln	Pro
1				5							10		

<210> 8855

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8855

Thr	Ser	Arg	Val	Leu	Gln	Lys	Val	Ala	Phe	Ser	Val	Gln	Lys
1				5								10	

<210> 8856

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8856

Ser	Ile	Ser	Cys	Leu	Cys	Ser	Phe	Tyr	Leu	Ile	Arg	Leu	Gln
1				5								10	

<210> 8857

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8857

Leu	Pro	Cys	Gly	Pro	Gly	Asp	Lys	Gly	Arg	Cys	Phe	Gly	Pro
1				5								10	

<210> 8858

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8858

His Ala Val Tyr Gln Ala Val Leu Ser Leu Lys Asn Ile Pro  
 1 5 10

<210> 8859  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8859  
 Ser Leu Gln Leu Pro Glu Ser Cys Ser Glu Ile Lys His Glu  
 1 5 10

<210> 8860  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8860  
 Ser Ser Trp Thr Arg Val Ser Gln Ser Trp Trp Asp Arg Asn  
 1 5 10

<210> 8861  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8861  
 Trp Ile Asn Arg Leu Ala Cys Phe Ser Ser Cys Ile Pro Phe  
 1 5 10

<210> 8862  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8862  
 Gly Phe Gln Phe Gly Ser Gln Asp  
 1 5

<210> 8863  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8863  
Gly Phe Lys Phe Gly Ile Leu Glu Pro Gly Asn Gln Glu Lys  
1 5 10

<210> 8864  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8864  
Ala Ala Ile Asp Phe Tyr Leu  
1 5

<210> 8865  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8865  
Arg Val Ser Ser Asn Ile Leu Glu Asp Pro Val Pro Val Lys  
1 5 10

<210> 8866  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8866  
Phe Thr Asp Asn Tyr Thr Gly Leu Arg Lys Gln Met Ala Val  
1 5 10

<210> 8867  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8867  
Asn Leu Leu Phe Leu Ala Cys Tyr Cys Ile Gly  
1 5 10

<210> 8868  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8868  
Val Gln Asp Gly Ile Val Met Ala Leu Asn Val Glu Pro Asp  
1 5 10

<210> 8869  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8869  
Thr Gly Ala Phe Gly Lys Ala Thr Asp Leu Leu Leu Asp Asp  
1 5 10

<210> 8870  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8870  
Val Gly Asp Ala Ile Pro Ser Val Glu Val Phe Glu Gly Glu  
1 5 10

<210> 8871  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8871  
Gly Ser Leu Tyr Asp Asp Val Arg Met Arg Arg Gln Gly Arg  
1 5 10

<210> 8872  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8872

Leu Ser Leu Asn Gln His Asn Arg Ala Phe Asn Ile Glu Arg  
1 5 10

<210> 8873

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8873

Gly Ile His Cys Ala Lys Ser Ile Val Ser Gly Ala Arg Gly  
1 5 10

<210> 8874

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8874

Pro Asn Gly Asp Gly Arg Arg Val Thr Cys Ile Tyr Tyr Leu  
1 5 10

<210> 8875

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8875

Phe Ile Glu Leu Pro Glu Glu Phe Pro Gln Phe Pro Asn Lys  
1 5 10

<210> 8876

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8876

Ile Phe Cys Phe Glu Thr Ala Tyr Cys Arg Val Gly Leu Gly  
1 5 10

<210> 8877

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8877  
Asn Asp Lys Ser Val Gln Arg Ala Leu Asp Phe Ala Ile Ser  
1 5 10

<210> 8878  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8878  
Arg Tyr Gln Ser Arg Val Ile Gln Gly Leu Val Ala Gly Glu  
1 5 10

<210> 8879  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8879  
Ala Asp Val Asp Gln Gln Gly Leu Val Arg Ser Leu Ile Ala  
1 5 10

<210> 8880  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8880  
Ser Gly Arg Ala Ile Pro Lys Asn Gln Val Leu Gly Lys Ile  
1 5 10

<210> 8881  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation



&lt;400&gt; 8881

Asn Gln Gln Arg Pro Pro Arg Arg Gly His Arg Gln Leu Ser  
1 5 10

&lt;210&gt; 8882

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8882,

Pro Glu Ser Ser Gly Ser Arg Gln Gln Pro Gly Leu Ser Ala  
1 5 10

&lt;210&gt; 8883

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8883

Ala Leu Trp Glu Pro Lys Pro Lys Asn Ala Ser Lys Val Ala  
1 5 10

&lt;210&gt; 8884

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8884

Thr Ser Gln Ala Thr Arg Ser Arg Thr Asn Arg Ser Ser Val  
1 5 10

&lt;210&gt; 8885

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8885

Ser Val Lys Thr Pro Glu Pro Val Val Pro Thr Ala Pro Glu  
1 5 10

&lt;210&gt; 8886

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8886

Ala	Thr	Arg	Gly	Arg	Lys	Ser	Arg	Ser	Ser	Val	Lys	Thr	Pro
1				5					10				

<210> 8887

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8887

Thr	Val	Val	Pro	Thr	Ala	Leu	Glu	Leu	Gln	Pro	Ser	Thr	Ser
1				5					10				

<210> 8888

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8888

Pro	Ser	Thr	Ser	Thr	Asp	Arg	Pro	Val	Thr	Ser	Glu	Pro	Thr
1				5					10				

<210> 8889

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8889

His	Cys	Cys	Gln	Pro	Lys	Ala	Pro	Cys	Cys	Ile	Gln	Ala	Arg
1				5					10				

<210> 8890

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8890

Gln Asn Ser Glu Arg Gly Trp Ala Trp Trp Leu Thr Pro Val  
1 5 10

<210> 8891  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8891  
Arg Ala Tyr Thr Ala Ala Arg Val Leu Thr Thr Ala Ala Val  
1 5 10

<210> 8892  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8892  
Leu Gln Val Gly Gln Glu  
1 5

<210> 8893  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8893  
Arg Gly Arg Ser Thr Tyr His Trp Pro Arg Pro Arg Arg Tyr  
1 5 10

<210> 8894  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8894  
Gly Pro Lys Pro Glu Ala Asp Ser Gln Glu Gln Gly His Pro  
1 5 10

<210> 8895  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8895  
Cys His Ile Leu Leu Gly Asn Tyr Ser Val Ala Val Ala Asp  
1 5 10

<210> 8896  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8896  
Leu Gln Asn Gly Ser Glu Ser Glu  
1 5

<210> 8897  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8897  
Val Pro Leu Phe Lys Ile Cys Val Ala Glu Leu Ile Gln Gln  
1 5 10

<210> 8898  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8898  
Tyr His Lys Leu Cys Leu His Trp Arg Leu Ser Lys Arg Lys  
1 5 10

<210> 8899  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8899  
Pro Glu Cys Glu Ile Arg Met Met Gly Gly Arg Glu Gln Arg  
1 5 10

<210> 8900  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8900  
Gln Ser Lys Ser Leu Glu  
1 5

<210> 8901  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8901  
Asn Pro Val Val Val Gly Lys Lys Ile Gln Lys  
1 5 10

<210> 8902  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8902  
Met Lys Ala Ser Glu Leu Lys Gln Glu Gln Glu Arg Glu Gly  
1 5 10

<210> 8903  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8903  
Leu Glu Gln Glu Gln Glu Thr Glu Gly Ser Arg Ile Ile Ala  
1 5 10

<210> 8904  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 8904  
Ser Gly Gly Val Val Lys Ser Asn Phe Val Pro Thr Asn Val  
1 5 10

<210> 8905  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8905  
Pro His Thr Asn Pro Pro Glu Tyr Glu Phe Ser Trp Gly Pro  
1 5 10

<210> 8906  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8906  
Tyr Glu Gly Val Gly Arg Arg Phe Ile Leu Gln Ser Lys Glu  
1 5 10

<210> 8907  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8907  
Ser Gln Val Phe Gln Ser Lys Phe Phe Ser Gly Leu Met Trp  
1 5 10

<210> 8908  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8908  
Trp Pro Gly Pro Ser Leu Ile Gly Ser Trp Ser Thr Pro Arg  
1 5 10

<210> 8909

<211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8909  
 Gly Ser Val Asp Val Ser Ala Glu Ile Gly Val Trp Ser Asp  
 1 5 10

<210> 8910  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8910  
 Tyr Glu Lys Asp Leu Arg Thr Met Ile Ser  
 1 5 10

<210> 8911  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8911  
 Val Ser Pro Val Ser Pro Pro Gln His Trp Pro Lys Thr Ser  
 1 5 10

<210> 8912  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8912  
 Phe Val Glu Pro Pro Gln Leu Lys Arg Lys Arg Lys Arg Ser  
 1 5 10

<210> 8913  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

&lt;400&gt; 8913

Asp Lys Gly Gly Leu Gln Leu Gln Ile Pro Arg Met Thr Pro  
1 5 10

&lt;210&gt; 8914

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8914

Thr Leu Phe Val Gly Leu Arg Pro Leu Gln Ile Ala Leu Pro  
1 5 10

&lt;210&gt; 8915

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8915

Thr Phe Asp Glu Glu Leu Arg His Cys Gln Cys Leu Ser Val  
1 5 10

&lt;210&gt; 8916

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8916

Asp Val Val Gly Gln Ala Ala Ser Arg Arg Leu Ser Gln Gly  
1 5 10

&lt;210&gt; 8917

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8917

Asp Val Val Gly Gln Ala Ala Ser Arg Arg Leu Ser Gln Gly  
1 5 10

&lt;210&gt; 8918

&lt;211&gt; 10

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8918

Leu Glu Gly Phe Val Ile Phe Gly Arg Thr  
1 5 10

<210> 8919

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 8919

Ser Val Ser Leu Ala Glu Gly Leu Gln Gln Phe Phe Ile Ile  
1 5 10

<210> 8920

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 8920

Glu Ser Asp Thr Gly Leu Ala His Gln His Ser Gly Ile Trp  
1 5 10

<210> 8921

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 8921

Phe Pro Met Pro Asn Glu Glu Pro Gly Pro Glu Ser Cys Arg  
1 5 10

<210> 8922

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 8922

<210> 8923  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8923  
Asp Phe His Ile Val Lys Cys Arg Cys Tyr Pro Met Arg Cys  
1 5 10

<210> 8924  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8924  
Thr Thr Phe Ile Cys Val  
1 5

<210> 8925  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8925  
Arg Gly Thr Ser Tyr Gln Ser Leu Thr Ala Ser Pro  
1 5 10

<210> 8926  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8926  
Glu Phe Leu Gly Arg Thr Ala Arg Ala Gly Val  
1 5 10

<210> 8927  
<211> 11  
<212> PRT  
<213> Homo sapiens.

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8927  
Glu Phe Leu Gly Arg Thr Ala Arg Ala Gly Val  
1 5 10

<210> 8928  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 8928  
Ala Thr Phe Val Lys Trp Ser Pro  
1 5

<210> 8929  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8929  
Leu Glu Ser Ser Ile Gln Gly Ser Gly  
1 5

<210> 8930  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8930  
Asp Ser Ser Gln Tyr Val Gln Val Arg Gly Arg Val Phe Ala  
1 5 10

<210> 8931  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8931  
Glu Ser Asn Arg Asp Arg Arg Ser Ala Ser Gly Ser Trp Pro  
1 5 10

<210> 8932  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8932  
Arg Gln Glu Leu Ala Met His Leu Gly Val Thr Leu Ser Leu  
1 5 10

<210> 8933  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8933  
Glu Gly Glu Ala Pro Glu Gln Gly His Ala Trp Leu Pro Ser  
1 5 10

<210> 8934  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8934  
Ser Gln Leu Ala Pro Val Gln Val Gly Gly Thr Ala Glu Ala  
1 5 10

<210> 8935  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8935  
Ile Ile Gly Leu Leu Leu Ala Pro Arg Pro Thr Ser Thr Ala  
1 5 10

<210> 8936  
<211> 20  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (14)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8936

Thr Leu Arg Val Arg Asp Pro Cys Glu Cys Ala Thr Ala Ala Thr Arg Ser  
1 5 10 15  
Leu Leu Ala  
20

&lt;210&gt; 8937

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8937

Ile Leu Gln Leu Arg Ala Ala Thr Trp Thr Trp Gly Ser Thr  
1 5 10

&lt;210&gt; 8938

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8938

Lys Pro Thr Pro Glu Lys Asp Gln Leu Ala Pro Ala Met  
1 5 10

&lt;210&gt; 8939

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8939

Thr Leu Lys Pro Thr Pro Glu Lys Gly Pro Ser Trp His Leu  
1 5 10

&lt;210&gt; 8940

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8940

Cys Pro Leu Pro Arg Gly Arg Gly Leu Gly Gly Ser Val Met  
1 5 10

<210> 8941  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8941  
Thr Ser Leu Arg Val Ser Cys Arg Ser Arg Gly Ala Ser Gly  
1 5 10

<210> 8942  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8942  
Thr Ser Ala Ala Ala Tyr Gly Pro Thr  
1 5

<210> 8943  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8943  
Pro Ser Gly Ser Gln Arg Pro Ala Ser Pro Met Thr  
1 5 10

<210> 8944  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8944  
Thr Thr Glu Tyr Val Val Val Pro Pro Leu Gly Ala Gly Pro  
1 5 10

<210> 8945  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8945

Lys Arg Asn Arg Pro Pro Trp Lys Lys Met Met Lys Arg Gly  
1 5 10

&lt;210&gt; 8946

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8946

Glu Met Gln Arg Pro Pro Arg Thr Ala Met Thr Arg Ser Leu  
1 5 10

&lt;210&gt; 8947

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8947

Met Gln Arg Pro Pro Pro Asp Leu Arg  
1 5

&lt;210&gt; 8948

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8948

His Arg Asn Ser Ser Val Gln Cys Glu Ser Cys Met Val Pro  
1 5 10

&lt;210&gt; 8949

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8949

Leu Pro Gly Asn Asn Arg Lys Cys Met Asn  
1 5 10

&lt;210&gt; 8950

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8950  
Val Asn Ile Ser Asp Leu Gly Thr Leu Ser Leu Cys Thr Arg  
1 5 10

<210> 8951  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8951  
Gln Gly Arg Arg Arg Tyr Val Gln Pro Pro Ser Leu Val Pro  
1 5 10

<210> 8952  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8952  
Asn Asn Ala Cys Gly Ile Ala Thr Trp Pro Ala Ser Pro Arg  
1 5 10

<210> 8953  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8953  
Asn Lys Asn Asn Ala Cys Gly Leu Pro Thr Trp Pro Ala Ser  
1 5 10

<210> 8954  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation



&lt;400&gt; 8954

Val Lys Val Leu Gly Leu Pro Pro Arg Ser Gln His Trp Gly  
1 5 10

&lt;210&gt; 8955

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8955

Val Gly Gln Lys Gly Asp Leu Ala Thr Gln Asp Gln Leu Val  
1 5 10

&lt;210&gt; 8956

&lt;211&gt; 8

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8956

Gly Val Lys Pro Pro His Ala Thr  
1 5

&lt;210&gt; 8957

&lt;211&gt; 2

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8957

Leu Trp  
1

&lt;210&gt; 8958

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (10)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8958

Arg Ala Thr Arg Asn Pro Val Gly Gly Trp Arg Met Leu  
1 5 10

&lt;210&gt; 8959

&lt;211&gt; 11

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 8959

Thr Arg Asn Pro Val Gly Gly Trp Arg Met Leu  
1 5 10

<210> 8960

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8960

Gly Phe Glu Gly Glu Arg Ala Ser Arg Gly Ser Gln Glu Arg  
1 5 10

<210> 8961

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8961

Leu Leu Val Gly Gly Ser Thr  
1 5

<210> 8962

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 8962

Thr Gln Ile Ser Pro Gly Gly Arg Pro Gly Leu Ala Phe Pro  
1 5 10

<210> 8963

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 8963

Val Thr Arg Phe Tyr Arg Glu Pro Arg Leu Ala Leu Pro Arg  
 1 5 10

<210> 8964  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8964  
 Ser Cys His Ile Gly Lys  
 1 5

<210> 8965  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8965  
 Met Ser Glu Cys Glu Ala Ala Leu  
 1 5

<210> 8966  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 8966  
 Tyr Cys Asp Glu His Phe Glu Asp Ser Val Arg Lys Leu Leu  
 1 5 10

<210> 8967  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8967  
 Val Pro Leu Thr Asp Thr Ala Met Arg Gly Ser Pro Arg Asp  
 1 5 10

<210> 8968  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8968  
Val Pro Leu Thr Asp Thr Ala Met Arg Gly Ser Pro Arg Asp  
1 5 10

<210> 8969  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8969  
Glu Met Glu Val Lys Cys Asn Leu Lys Trp Val Thr  
1 5 10

<210> 8970  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8970  
Pro Ile Val Val Leu Asn Ala Ser Ala Pro Ser Thr Arg Pro  
1 5 10

<210> 8971  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8971  
Arg Phe Pro Asp Pro Pro Gly Gln Leu Pro His Ser Gly Ala  
1 5 10

<210> 8972  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8972  
Leu Arg Ser Ala Pro Pro Ala Arg Leu Arg Gly His  
1 5 10

<210> 8973  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8973  
Thr Ala Pro Pro Arg Ser Met Ala Pro Ala Ser Ala Arg Thr  
1 5 10

<210> 8974  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (10)...(0)  
<223> cSNP translation

<400> 8974  
Arg Pro Lys Asn Tyr Pro Pro Gly Pro Gly Ala Cys Pro Ser  
1 5 10

<210> 8975  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8975  
Val Val Arg Gly Ala Gly Ala Thr Ser Val Glu Arg Arg Gln  
1 5 10

<210> 8976  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8976  
Ala Gln Gln His Gln Ala Arg Arg Leu Pro  
1 5 10

<210> 8977  
<211> 1  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 8977  
Glu  
1

<210> 8978  
<211> 20  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (14)...(0)  
<223> cSNP translation

<400> 8978  
Asp Tyr Ser Leu Ala Ala Gly Leu Phe Pro Gly Cys Ser Pro His Ser Ser  
1 5 10 15  
Trp Ser Leu  
20

<210> 8979  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8979  
Gly Val Gln His Ile His Phe His Arg Ala Thr Ile Leu Ala  
1 5 10

<210> 8980  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8980  
Asn Val Leu Ala Pro Lys Glu Leu Gln Ala Pro Gly Lys Thr  
1 5 10

<210> 8981  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8981  
Leu His Lys Gly Glu Ala Ser Asp Ala Pro Ala Val Glu Pro  
1 5 10

<210> 8982  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 8982  
 Ser Arg Pro Gln Leu Gly Arg Leu Cys Arg Val Ala Pro Met  
 1 5 10

<210> 8983  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 8983  
 Leu Val Lys Met Ala Gly Lys Arg Pro Phe Gln His Gln Ala  
 1 5 10

<210> 8984  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 8984  
 Arg Val Val Gly Arg Trp Ser Trp Ser Ala Val Glu Gln Trp  
 1 5 10

<210> 8985  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (9)...(0)  
 <223> cSNP translation

<400> 8985  
 Thr Tyr Phe Val Ala Leu Pro Gly Trp Glu  
 1 5 10

<210> 8986  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT

<222> (8)...(0)  
<223> cSNP translation

<400> 8986  
Glu Glu Thr Thr Trp Gln Gly Ser Arg Ser Trp Gly Pro Leu  
1 5 10

<210> 8987  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8987  
Arg Ile Arg Glu Gly Met Ala Pro Cys Ser Leu Thr Pro Gly  
1 5 10

<210> 8988  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8988  
Ser Arg Ser Leu Ser Glu Ala Thr Pro Arg Pro Ser Met Arg  
1 5 10

<210> 8989  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8989  
Ala Ser Arg Ser Leu Ser Glu Ala Thr Pro Arg Pro Ser Met  
1 5 10

<210> 8990  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8990  
Ala Ala Leu Asn Glu Tyr Cys Gly Ser Arg Gln  
1 5 10

<210> 8991



<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8991  
Glu Ala Ala Leu Asn Glu Tyr Cys Gly Ser Arg Gln  
1 5 10

<210> 8992  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8992  
Lys Thr Ile Glu Ala Glu Ala Leu Met Gly Pro Ser Pro Ala  
1 5 10

<210> 8993  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 8993  
Ile Arg Leu Gly Leu Asp Gln Asn Tyr Trp Leu Lys Ser  
1 5 10

<210> 8994  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 8994  
Val Val Arg Leu Val Lys Pro Gln Pro Ser  
1 5 10

<210> 8995  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 8995

Pro Ala Leu Leu Pro Gln Gly Ala Gly Pro Arg Ala Gly Arg  
 1 5 10

&lt;210&gt; 8996

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8996

Ser Ile Lys Leu Gly Leu Ala His Ser Thr Ser Asp Tyr Gln  
 1 5 10

&lt;210&gt; 8997

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8997

Ile Lys Leu Gly Leu Ala His Ser Thr Ser Asp Tyr Gln Lys  
 1 5 10

&lt;210&gt; 8998

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8998

Phe Ser Cys Pro Lys Lys Thr Pro Phe Ser Ser Gln Lys Lys  
 1 5 10

&lt;210&gt; 8999

&lt;211&gt; 26

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (20)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 8999

Tyr Gly Gly Asp Arg Gly Tyr Gly Gly Asp Arg Gly Tyr Gly Gly Asp Arg  
 1 5 10 15  
 Gly Gly Tyr Gly Gly Asp Arg Gly Gly  
 20

&lt;210&gt; 9000

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9000  
Gly Arg Arg Asp Arg Gly Ala Met Glu Ala Lys Trp Glu Glu  
1 5 10

<210> 9001  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9001  
Pro Pro Ala Gly Thr Gly Ala Gln Pro Leu Ser Ser Gln Cys  
1 5 10

<210> 9002  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9002  
Gln Met Ala Leu Pro Thr Glu Met Ala His Thr Phe Lys Tyr  
1 5 10

<210> 9003  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9003  
Leu Ile Val Leu Gly Leu His Gly Lys Gln Pro Asn Arg Thr  
1 5 10

<210> 9004  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9004

Asp Lys Gly Asn Gly Asp Ala Pro Pro Thr Ala Gly Gly Gly  
1 5 10

&lt;210&gt; 9005

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9005

Pro Gly Asp Lys Gly Asn Ala Met Pro Pro Pro Thr Ala Gly  
1 5 10

&lt;210&gt; 9006

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9006

Arg Gly Pro Pro Pro Gly Gly Pro Ala Ala Ala Ala Arg Arg  
1 5 10

&lt;210&gt; 9007

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9007

Arg Gly Pro Pro Pro Gly Gly Pro Ala Ala Ala Ala Arg Arg  
1 5 10

&lt;210&gt; 9008

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9008

Gln Gln Arg Glu Gln Val Glu Lys Thr  
1 5

&lt;210&gt; 9009

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9009

Arg	Glu	Gln	Val	Glu	Lys	Lys	His	Glu	Arg	Cys	Lys	Arg	Gln
1				5					10				

<210> 9010

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9010

Lys	Met	Gly	Gly	Asp	Ile	Ala	Thr	Gly	Tyr	Phe	Gly	Pro	Trp
1				5					10				

<210> 9011

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9011

Lys	Met	Gly	Gly	Asp	Ile	Ala	Thr	Gly	Tyr	Phe	Gly	Pro	Trp
1				5					10				

<210> 9012

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9012

Ser	Ser	Phe	Leu	Gln	Gln
1			5		

<210> 9013

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9013

Gly Arg Thr Arg Leu Arg Pro Arg Gly Gln Arg Trp Gly Gly  
 1 5 10

<210> 9014  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (9)...(0)  
 <223> cSNP translation

<400> 9014  
 Arg His Phe Gly Pro Ser Gly Gly Gly Glu Thr Arg Leu Val  
 1 5 10

<210> 9015  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9015  
 Pro Gly Gln Asn Gln Ala Leu Gln Asp Ala Ala Asp His Pro  
 1 5 10

<210> 9016  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (10)...(0)  
 <223> cSNP translation

<400> 9016  
 Ser Pro Ile Pro Ala Gly Ser Lys Lys Leu Ile Gln Thr  
 1 5 10

<210> 9017  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (8)...(0)  
 <223> cSNP translation

<400> 9017  
 Val Ser Val Leu Gln Lys His Cys  
 1 5

<210> 9018  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9018  
 Ala Glu Asp Glu Val Gln Pro Arg Gly Cys Gln Pro Arg Thr  
 1 5 10

<210> 9019  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9019  
 Ala Leu Pro Trp Pro Arg Gly Cys Ile Asn Val Lys Met Lys  
 1 5 10

<210> 9020  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9020  
 Gln Pro Phe Asp Leu Gln Cys Thr Thr Pro Pro Ala Ser Pro  
 1 5 10

<210> 9021  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9021  
 Lys Leu Asn Gln Leu Arg Gln Ala Ser Leu Ala Trp Leu Ser  
 1 5 10

<210> 9022  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (9)...(0)  
 <223> cSNP translation

<400> 9022  
 Met Val Thr Val Leu Glu Met Gly Leu Pro Ala Thr Ser Cys  
 1 5 10

<210> 9023  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (8)...(0)  
 <223> cSNP translation

<400> 9023  
 Tyr Glu Ser Ser Ala Leu Pro Pro Gly Ser  
 1 5 10

<210> 9024  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (8)...(0)  
 <223> cSNP translation

<400> 9024  
 Val Ser Arg Glu Leu Gly Ser Ala Leu His Cys Thr Ala Ala  
 1 5 10

<210> 9025  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (8)...(0)  
 <223> cSNP translation

<400> 9025  
 Ile Cys Glu Leu Ala Ala Arg Cys Ser Ser Ala Pro Ser Ser  
 1 5 10

<210> 9026  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (8)...(0)  
 <223> cSNP translation

<400> 9026  
 Lys Gln Asp Pro Pro Val Ile Met Asn Leu Glu Tyr His Leu  
 1 5 10

<210> 9027  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
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<222> (7)...(0)

<223> cSNP translation

<400> 9027

Ser Arg Lys Arg Leu Asn Val

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<210> 9028

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9028

Pro Arg Glu Gly Asp Glu Asn Thr Lys

1

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<210> 9029

<211> 14

<212> PRT

<213> Homo sapiens

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<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9029

Gly Ser Asn Ile Ile Tyr Leu Leu Lys Leu Val Tyr Glu Arg

1

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<210> 9030

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<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9030

Leu Arg Glu Ala Leu Cys Gly Val Leu Asn

1

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10

<210> 9031

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9031

Pro Ile Arg Ile Ala Asp Gly Met Ser Arg Leu Leu Ala Leu

1

5

10

<210> 9032

<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9032  
Val Lys Asp Met Leu Glu Leu Val Phe  
1 5

<210> 9033  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9033  
Val Asp Ser Ala Ala Glu Thr His Pro Glu Lys Ala Asn Pro  
1 5 10

<210> 9034  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9034  
Asp Gly Ser Leu Pro Glu Ala Arg Ala Cys Gly Gln Gly His  
1 5 10

<210> 9035  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9035  
Gly Trp Leu Ile Pro Met Ser  
1 5

<210> 9036  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9036

Lys Leu Tyr Ser Arg Gln Gly Thr Thr Cys Ser Cys Arg Arg  
1 5 10

&lt;210&gt; 9037

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9037

Thr Gly Ala Thr Ser Thr Arg His Gln Met Arg Asn Val Cys  
1 5 10

&lt;210&gt; 9038

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9038

Leu Met Trp Arg Pro Gln Pro Arg Ala Gly Val Pro Gly Ile  
1 5 10

&lt;210&gt; 9039

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9039

Val Leu Arg Ile Gly Ser Ala Ile Pro Met Pro Ser Cys Gly  
1 5 10

&lt;210&gt; 9040

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9040

Pro Ala Gln Arg Leu Cys Ser Leu Cys Tyr Pro Ala Gln Pro  
1 5 10

&lt;210&gt; 9041

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9041

Met Thr Arg Pro Ala Leu Pro Arg Val Met Met Asp Gly Arg  
1 5 10

<210> 9042

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9042

Thr Arg Pro Ala Leu Pro Arg Val Met Met Asp Gly Arg Phe  
1 5 10

<210> 9043

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9043

Gly Val Leu Ala Ala Lys Ser Gly Gly Arg Ser Cys Thr Ser  
1 5 10

<210> 9044

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9044

His Ile Phe Tyr Gln Leu Cys Thr Ala Trp Gly Leu Pro Arg  
1 5 10

<210> 9045

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9045

His Ile Phe Tyr Gln Leu Cys Thr Ala Trp Gly Leu Pro Arg  
1 5 10

<210> 9046  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9046  
Asp His Phe Pro Pro Gly Ala Gly Arg Thr Ala Gly Ser Pro  
1 5 10

<210> 9047  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9047  
Asp His Glu Val Glu Gln Trp Leu Cys Leu Leu Thr Pro Gln  
1 5 10

<210> 9048  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9048  
Lys Gln Met Ser Pro Trp Gly His  
1 5

<210> 9049  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9049  
Glu Glu Ala Asp Val Thr Val  
1 5

<210> 9050  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9050  
Trp Ser Thr Ser Ala Ser Leu  
1 5

<210> 9051  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9051  
Asn Asn Leu Ser Tyr Trp Met Pro Pro Trp Glu Val Leu Ile  
1 5 10

<210> 9052  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9052  
Phe Arg Leu Phe Pro Val Pro Ala Gln Gly Ser Phe Trp Ser  
1 5 10

<210> 9053  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9053  
Ser Ala Ala Leu Ala Ser Gly Ser Trp Ala Pro Ser Cys Ala  
1 5 10

<210> 9054  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9054  
Val Pro Ala Gly Pro Ala Ala Ala Ser Lys Trp Thr Trp Pro  
1 5 10

<210> 9055  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9055  
Leu Gly Gly Leu Gly Ala  
1 5

<210> 9056  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9056  
Ser Pro Ala Ser Ser Ala  
1 5

<210> 9057  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9057  
Leu Gly Gly Ala Glu Val Gln  
1 5

<210> 9058  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9058  
Gly His Gln Leu His Arg Arg Thr Thr Thr Cys Ala Thr Pro  
1 5 10

<210> 9059  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)  
<223> cSNP translation

<400> 9059  
Val Val Ser Leu Gly Ser Pro Gln Glu Lys Cys Arg Thr Pro  
1 5 10

<210> 9060  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9060  
Ala Arg Cys Leu Gly Gly Thr Ser Phe Pro Leu Leu Phe Leu  
1 5 10

<210> 9061  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9061  
Met Cys Thr Gly Gly Cys Ala Asp Ala Trp Gly Gly Pro Ser  
1 5 10

<210> 9062  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9062  
Asn Trp Ser Gln Asp Arg Gln Asn Gln Glu Asn Ser Pro Leu  
1 5 10

<210> 9063  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9063  
Gly Pro Leu Asp Cys Arg Glu Asn Ser Thr Arg Ala Pro Ala  
1 5 10

<210> 9064



<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9064  
Leu Leu Phe Leu Pro Ala Ala Cys Trp Leu Arg Ala Ser Met  
1 5 10

<210> 9065  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9065  
Leu Pro Ser Trp Thr Arg Thr  
1 5

<210> 9066  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9066  
Phe Thr Thr Arg Lys Val Ser Pro Thr Val Gly Trp Trp Pro  
1 5 10

<210> 9067  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9067  
Asn Ile Gln Gly Gly Phe Arg Ala Trp Pro Ser Ser Ala Leu  
1 5 10

<210> 9068  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9068

Asn Ala Thr Asn Ala Ile Gly Pro Pro Leu Leu Ser Leu Ser  
1 5 10

&lt;210&gt; 9069

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9069

Thr Asn Ala Ile Gly Ser Ala Leu Leu Ser Leu Ser Ser Gly  
1 5 10

&lt;210&gt; 9070

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9070

Ile Ala Gly Arg Thr Cys Pro Ser Gln Met Ile Tyr His Phe  
1 5 10

&lt;210&gt; 9071

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9071

Ile Ala Gly Arg Thr Cys Pro Ser Gln Met Ile Tyr His Phe  
1 5 10

&lt;210&gt; 9072

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9072

Asp Ala Ser Arg Gly Leu Ala His Phe Ala Trp Ile Arg Lys  
1 5 10

&lt;210&gt; 9073

&lt;211&gt; 7

&lt;212&gt; PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 9073

Ser Ala Lys Pro Ser Val Gly

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<210> 9074

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9074

Ile Ile Ser Met Leu Thr Arg

1

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<210> 9075

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9075

Lys Lys Ser Gly Pro Arg His Arg Ala Pro Gly Lys Arg Arg

1

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<210> 9076

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9076

End Arg Met Ser Ala Gly Ala Phe Leu Leu Gly Thr Ala Ser

1

5

10

<210> 9077

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9077

Glu Ala Gly Lys Arg Gly Arg Leu Arg Thr Pro Pro Phe Tyr  
1 5 10

<210> 9078  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9078  
Gly Lys Pro Asn Phe Glu Asp Thr Leu Lys Phe  
1 5 10

<210> 9079  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9079  
Gly Lys Pro Asn Phe Glu Glu Thr Leu Lys Phe  
1 5 10

<210> 9080  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9080  
Tyr Lys Val Glu Thr Ile Ala Met Pro Ile Val Trp Leu Gly  
1 5 10

<210> 9081  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9081  
Gly Asp Ala Tyr Cys Val Ala Trp Gly Ile Thr Gln Arg Glu  
1 5 10

<210> 9082  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9082  
Lys Lys Asp Val Glu Asp Ala Met Pro Ile Phe  
1 5 10

<210> 9083  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9083  
Lys Asp Val Glu Asp Gly Asn Pro Ile Phe  
1 5 10

<210> 9084  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9084  
Ala Asn Phe Leu Gly Lys His Gln Glu  
1 5

<210> 9085  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9085  
Arg Ser Gly Arg Ala Gly Arg Arg Ala Gln Val Ser Val Ser  
1 5 10

<210> 9086  
<211> 12  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9086  
Ala Ala Lys Lys Asp Pro Gln Arg Val Thr Gly His  
1 5 10

<210> 9087  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9087  
Val Val Lys Pro Lys Lys Arg Arg Pro Arg Arg  
1 5 10

<210> 9088  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9088  
Lys Val Val Lys Pro Lys Lys Arg Arg Pro Arg Arg  
1 5 10

<210> 9089  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9089  
Ala Ala Lys Ala Val Lys Pro Arg Pro Leu Ser Pro Arg Leu  
1 5 10

<210> 9090  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9090  
Thr Val Thr Lys Lys Val Leu Arg Ala Gln Arg Arg Pro Arg  
1 5 10

<210> 9091  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9091

Ala	Thr	Val	Thr	Lys	Lys	Val	Leu	Arg	Ala	Gln	Arg	Arg	Pro
1				5					10				

&lt;210&gt; 9092

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9092

Lys	Lys	Ala	Lys	Lys	Pro	Pro	Arg	Pro	Leu
1			5						10

&lt;210&gt; 9093

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9093

Pro	Lys	Lys	Ala	Lys	Lys	Pro	Pro	Arg	Pro	Leu
1				5						10

&lt;210&gt; 9094

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9094

Lys	Leu	Asn	Lys	Lys	Ala	Ala	Pro	Gly	Lys	Pro	Ser	Pro	Arg
1				5					10				

&lt;210&gt; 9095

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9095

Leu	Ile	Thr	Lys	Ala	Val	Ala	Pro	Leu	Lys	Ser	Val	Ala	Glu
1				5					10				

&lt;210&gt; 9096

<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9096  
Leu Ala Ala Val Ile Glu Tyr  
1 5

<210> 9097  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9097  
Arg Arg Arg Arg Arg Gly Ser Ser Gly Ala Gly Gly Arg  
1 5 10

<210> 9098  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9098  
Val Thr Tyr Thr Glu His Pro Ser Ala Lys Leu Ser Gln Pro  
1 5 10

<210> 9099  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9099  
Arg Pro Arg Ser Cys Thr Cys Arg Cys Pro Gly Arg Ser Leu  
1 5 10

<210> 9100  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation



&lt;400&gt; 9100

Ser Ala Leu Gly Ala Arg Pro Thr Pro Ser Ser Ala Val Arg  
1 5 10

&lt;210&gt; 9101

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9101

Arg Asp Lys Gly Ser Gly Pro Ala Cys Gly Leu Glu Gly Gln  
1 5 10

&lt;210&gt; 9102

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9102

Ala Asp Leu Ala Ala Tyr Asn  
1 5

&lt;210&gt; 9103

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9103

Gln Leu Glu Glu Leu Glu Pro Leu Leu Leu Arg Glu Leu Ile  
1 5 10

&lt;210&gt; 9104

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9104

His Ala His His His Leu Ile Arg Thr Trp Pro Arg Thr Arg  
1 5 10

&lt;210&gt; 9105

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9105

Met Met Phe Pro Ala Pro Pro Ser Asp Cys Arg Ser Pro Arg  
1 5 10

<210> 9106

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9106

Ser Arg Leu Arg Arg His His Ser Leu Pro Ser Leu Ser Gln  
1 5 10

<210> 9107

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9107

Leu Cys Glu Trp Met Arg Lys Pro Ala Gln Gln Ser Leu Gly  
1 5 10

<210> 9108

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9108

Val Gly Glu Ala Gly Arg Ser Cys Trp Ser Arg Arg Asp Ser  
1 5 10

<210> 9109

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9109

Glu His Leu Arg Gln Phe Cys Leu Ser  
1 5

<210> 9110  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9110  
Thr Ser Ser Glu Glu Phe Ala Leu Met Pro Ser Trp Tyr Leu  
1 5 10

<210> 9111  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9111  
Asn Ala Asn Ile Ile Ser Glu Pro Ser Pro Lys Asp Leu Glu  
1 5 10

<210> 9112  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9112  
Ala Asn Ile Ile Ser Glu Pro Ser Pro Lys Asp Leu Glu Ser  
1 5 10

<210> 9113  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9113  
Ala Ser Gly Thr Ile Ser Gly Arg Ser Gln Lys Thr Ser Ala  
1 5 10

<210> 9114  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9114  
 Leu Asn Ser Gln Tyr Cys Phe Gln Gln Lys Glu Ser Tyr Met  
 1 5 10

<210> 9115  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9115  
 Arg Leu Pro Val Thr Glu His Ile  
 1 5

<210> 9116  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9116  
 Phe Leu Asn Lys Lys Ser Met.  
 1 5

<210> 9117  
 <211> 1  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (10)...(0)  
 <223> cSNP translation

<400> 9117  
 Leu  
 1

<210> 9118  
 <211> 2  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (11)...(0)  
 <223> cSNP translation

<400> 9118  
 Gly Leu  
 1

<210> 9119  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9119  
Phe Thr Glu Gly Ser Gly Pro His His Ala Met Pro Ser Gly  
1 5 10

<210> 9120  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9120  
Tyr Phe Gln Gly Leu Gly Pro His Arg Ser Ser Arg  
1 5 10

<210> 9121  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9121  
Arg Tyr Phe Gln Gly Leu Gly Pro His Arg Ser Ser Arg  
1 5 10

<210> 9122  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9122  
Tyr Val Lys His Leu Lys Ala Arg Met Arg Lys Pro  
1 5 10

<210> 9123  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)  
<223> cSNP translation

<400> 9123  
Thr His His Asp Ala Leu Ala Ser Ser Ala Lys Leu Glu Ser  
1 5 10

<210> 9124  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9124  
Leu Thr Pro Glu Ala Met Pro Thr Ser Thr Pro Pro Leu Thr  
1 5 10

<210> 9125  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9125  
Val Ser Val Glu Ser Thr Glu Arg Pro Gln Ser Ala Arg  
1 5 10

<210> 9126  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9126  
Glu Val Ala Arg Leu Leu Ala Ala Val Ile His Trp Pro Arg  
1 5 10

<210> 9127  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9127  
Cys Ala Val Gln Gln Tyr Ala Gly Gly Arg Trp Val Pro Thr  
1 5 10

<210> 9128

<211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9128  
 Leu Lys Leu Thr Glu Pro Lys Thr Cys  
 1 5

<210> 9129  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9129  
 Gln Leu Pro Leu Ala Val Ala Gln Thr Thr Ser Ser Ala Pro  
 1 5 10

<210> 9130  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9130  
 Ser Pro Ser His Lys Val Arg Ala Ala Cys Arg Pro Ile Pro  
 1 5 10

<210> 9131  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9131  
 Trp Leu Met Leu Pro Asp Gly Ser Pro Trp Arg Ser Leu Trp  
 1 5 10

<210> 9132  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

&lt;400&gt; 9132

His Leu Asp Gly Pro Pro Ala Trp Leu Trp Ala Ser Ala Arg  
1 5 10

&lt;210&gt; 9133

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9133

Pro Leu Val Gly Pro Gly Pro Cys Thr Ala Ala Thr Cys Cys  
1 5 10

&lt;210&gt; 9134

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9134

Pro Leu Val Gly Pro Gly Pro Cys Thr Ala Ala Thr Cys Cys  
1 5 10

&lt;210&gt; 9135

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9135

Phe Leu Gln Trp Ala Glu Pro Ser Trp  
1 5

&lt;210&gt; 9136

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9136

Gln Asn Pro Asp Ile Val Ser Arg Lys Lys Thr Ser Asn  
1 5 10

&lt;210&gt; 9137

&lt;211&gt; 10

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9137

Asp Ile Val Ser Glu Lys Lys Thr Ser Asn  
1 5 10

<210> 9138

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9138

Val Ser Glu Lys Lys Pro Ala Asn  
1 5

<210> 9139

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9139

Cys Arg Tyr Asp Pro Glu Gly Thr Ile Gln Gly Ser Arg Trp  
1 5 10

<210> 9140

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9140

Cys Arg Tyr Asp Pro Glu Gly Thr Ile Gln Gly Ser Arg Trp  
1 5 10

<210> 9141

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9141

Arg Tyr Asp Pro Glu Gly Thr Ile Gln Gly Ser Arg Trp Leu  
 1 5 10

<210> 9142  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9142  
 Gly Ala Arg Gly Arg Arg Arg Ala Gly Pro Arg Pro Leu Arg  
 1 5 10

<210> 9143  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9143  
 Ala Cys Leu Leu Ser Ala Ala Ala Leu Cys  
 1 5 10

<210> 9144  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9144  
 Tyr Gly Val Val Leu Tyr Asp Leu  
 1 5

<210> 9145  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9145  
 Glu Leu Glu Glu Glu Ile Thr Tyr Gly Lys Val Trp Asn Gln  
 1 5 10

<210> 9146  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9146  
Glu Val Asp Asp Leu Pro Ser Leu Ala Gly Cys Gly Ala Pro  
1 5 10

<210> 9147  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9147  
His Glu Ala Glu Ala Glu Asp Gln Arg Leu Ala Ser Gln Arg  
1 5 10

<210> 9148  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9148  
Pro Pro His Leu Arg Ser Gln Arg Ala Leu Pro Pro Ser Pro  
1 5 10

<210> 9149  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9149  
Pro Pro His Leu Arg Ser Pro Ser Gly His Tyr His Pro His  
1 5 10

<210> 9150  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9150  
Pro His Leu Arg Ser Pro Ala Ala Leu Pro Pro Ser Pro Arg  
1 5 10

<210> 9151  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9151  
His Leu Arg Ser Pro Ala Ala Leu Pro Pro Ser Pro Arg Pro  
1 5 10

<210> 9152  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9152  
His Asn Pro Ser Gln Arg Gln Cys Ser Glu Lys Tyr Leu Asn  
1 5 10

<210> 9153  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9153  
Asp Gly Thr His Pro Val Glu Pro Pro Gln Ile Ala Pro Gly  
1 5 10

<210> 9154  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9154  
Ser Ser Ser Met Pro Gly Ala Val Arg Pro Ser Ala Ala Pro  
1 5 10

<210> 9155  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9155

Leu Pro Thr Arg Tyr Trp Gly Leu Trp Gln Gln Asp Arg Gly  
1 5 10

<210> 9156

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9156

Gly Glu Gly Arg Pro Val Pro Arg  
1 5

<210> 9157

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9157

Ser Glu Ala Gly Leu Arg Cys Cys Thr Ser Cys Ser Cys Thr  
1 5 10

<210> 9158

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9158

His His Ser Ser Arg Lys Glu Met Arg Ser Pro Lys Arg Leu  
1 5 10

<210> 9159

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9159

Gly Cys His His Ser Ser Arg Lys Gln Met Arg Ser Pro Lys  
1 5 10

<210> 9160

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9160  
Lys Ala Val His Glu Gln Leu Gln Pro Ser Leu Ser Pro Ser  
1 5 10

<210> 9161  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9161  
Pro Pro Asp His Glu Val Val Pro Trp Pro Ala Ser Ser Arg  
1 5 10

<210> 9162  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9162  
Asp Thr Leu Gly Ala Val Ala Ser Arg Gly Leu Ile Ser Ser  
1 5 10

<210> 9163  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9163  
Phe Leu Arg Gln Glu Leu Leu Cys Ala Trp Pro Thr Ser  
1 5 10

<210> 9164  
<211> 2  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 9164

Thr Gln

1

&lt;210&gt; 9165

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9165

Gly Ala Leu Leu Gly Thr Thr Ala Ser Ser Ala Ala Ser Ala

1

5

10

&lt;210&gt; 9166

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9166

Thr Gly Ala Leu Ala Ala Ala Lys Ser Leu Lys Pro Arg Val

1

5

10

&lt;210&gt; 9167

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9167

Leu Gln Gln Gly Leu Leu His Thr Val Ala

1

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&lt;210&gt; 9168

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9168

Leu Glu Ala Trp Arg Pro Gly Lys His Ser Gln Ser Thr Ser

1

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&lt;210&gt; 9169

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>  
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<223> cSNP translation

<400> 9169  
Leu Glu Ala Trp Arg Pro Gly Lys His Ser Gln Ser Thr Ser  
1 5 10

<210> 9170  
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<220>  
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<400> 9170  
Leu Glu Arg Gly Glu Arg Leu His Gly Pro Thr Asn Val Pro  
1 5 10

<210> 9171  
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<400> 9171  
Ala Trp Leu Glu Ala Lys Pro Ser Ala Arg Gly Ser Trp Arg  
1 5 10

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<400> 9172  
Lys Ser Thr Leu Leu Phe Ala Lys Gly Pro Lys Gln Leu Arg  
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<210> 9173  
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<400> 9173



Glu Glu Arg Leu Ser Thr Pro Gly Gly Leu Gly Ala Arg Ala  
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<210> 9174  
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<400> 9174  
 Glu Lys Glu Arg Arg Leu Gln His Gln Lys Gln Pro Cys Gln  
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<210> 9175  
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<400> 9175  
 Gln Thr Gly Val Thr Gly Ser Pro Ser Pro Val Thr Cys Ala  
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<210> 9176  
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<400> 9176  
 Leu Leu Phe Tyr Met Ala Arg Ser Ile Met Leu Ile Leu Gln  
 1 5 10

<210> 9177  
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<400> 9177  
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<400> 9178  
Val Glu Phe Glu Phe Arg Asp Asn Tyr Asn Asp Trp Ser Ser  
1 5 10

<210> 9179  
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<220>  
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<400> 9179  
Leu Leu Val Glu Phe Glu Phe Ala Gln Leu Gln Arg Leu Glu  
1 5 10

<210> 9180  
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<220>  
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<400> 9180  
Pro Gly Cys Pro His Pro Ala Pro Arg Ser Gly Leu Leu Arg  
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<210> 9181  
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<212> PRT  
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<400> 9181  
Phe Phe Glu Gly Asp Glu Gly Ser Pro Pro Thr Ser Ser Gly  
1 5 10

<210> 9182  
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<400> 9182  
Gly Leu Thr Ala Asp Phe Ser Gly Ser Met Ser Arg Cys Ile  
1 5 10

<210> 9183  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (9)...(0)  
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<400> 9183  
Ser Leu Glu Leu Trp Pro Arg Pro Gln Gln Ala  
1 5 10

<210> 9184  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
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<400> 9184  
Glu Ser Ser Ala Glu Gly Leu Pro Arg Gln Val Gln Leu Pro  
1 5 10

<210> 9185  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9185  
His Leu Pro Pro Gly Pro Gly Arg Pro His Pro Trp Leu Arg  
1 5 10

<210> 9186  
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<220>  
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<223> cSNP translation

<400> 9186  
Gln Met Ser Ala Pro Pro Pro  
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<222> (7)...(0)  
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<400> 9187  
Val Pro Phe His Arg Val Thr Pro Ser Pro Ser Met Ala Leu  
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<210> 9188  
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<400> 9188  
Glu Trp Glu Ile Val Ser Ala Thr Gly Ser  
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<210> 9189  
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<220>  
<221> VARIANT  
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<400> 9189  
Gly Asn Ala Glu Ala Glu Thr Ser Lys Leu Leu Asp Pro Arg  
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<210> 9190  
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<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9190  
Gly Gly Ala Ala Ala Cys Pro Pro Gly Ala Ala Ala Gly Gly  
1 5 10

<210> 9191  
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<220>  
<221> VARIANT  
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<223> cSNP translation

<400> 9191  
Leu Leu Lys Leu Pro Asp Cys Gly Pro  
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<210> 9192

<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9192  
Met Met Glu Gly Arg Val Ala Glu Pro Ser Pro Gln Pro Ala  
1 5 10

<210> 9193  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9193  
Ala Lys Leu Leu Lys Arg Glu Ala Arg Leu Arg Pro His Arg  
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<210> 9194  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
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<400> 9194  
Glu Ala Tyr Lys Thr Gln Pro Trp Ala Pro  
1 5 10

<210> 9195  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
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<400> 9195  
Ile Pro Arg Glu Glu Leu Arg Thr Arg Pro Ser Cys Pro Trp  
1 5 10

<210> 9196  
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<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9196  
Leu Asp Glu Ser Ser Gly Ala Gly Gly Thr Ala Gly His Ser  
1 5 10

<210> 9197  
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<212> PRT  
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<220>  
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<400> 9197  
Asp Leu Ala Leu Cys Pro Ala Trp Ala Leu Arg Lys  
1 5 10

<210> 9198  
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<220>  
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<223> cSNP translation

<400> 9198  
Lys Asn His Val Ala Val Pro His Thr Ser Ser Arg Cys  
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<210> 9199  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9199  
Lys Asn His Val Ala Val Pro His Thr Ser Ser Arg Cys  
1 5 10

<210> 9200  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
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<223> cSNP translation

<400> 9200  
Ser Ala Gly Phe Val Asp Ala Gln Pro Trp Arg Thr Ser Ala  
1 5 10

<210> 9201  
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<213> Homo sapiens

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<222> (7)...(0)

<223> cSNP translation

<400> 9201

Gly Glu Leu Gln Arg Val Leu Leu Ala Leu Cys Leu Gly  
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<210> 9202

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 9202

Glu Asp Asn Gly Ala Gly Leu Leu Glu Met Gly Met Gly Ser  
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<210> 9203

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9203

Leu Ser Arg Lys Arg Arg Arg Ser Met Ala Ser Ser Gly Ser  
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<210> 9204

<211> 11

<212> PRT

<213> Homo sapiens

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<223> cSNP translation

<400> 9204

Phe Lys Gln Ser Ser Lys Pro Phe Ser Gly Gln  
1 5 10

<210> 9205

<211> 14

<212> PRT

<213> Homo sapiens

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<223> cSNP translation

<400> 9205

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Leu Asp Ser Gln Gly Asp Ala Ala Ala Ser Leu Ile Arg Phe  
1 5 10

<210> 9206

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<400> 9206

Leu Asp Ser Gln Gly Asp Ala Ala Ala Ser Leu Ile Arg Phe  
1 5 10

<210> 9207

<211> 14

<212> PRT

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<222> (8)...(0)

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<400> 9207

Pro Asp Thr Ile Ser Ile Ala His Gly Arg Leu Arg Thr Arg  
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<210> 9208

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<222> (7)...(0)

<223> cSNP translation

<400> 9208

Lys Pro Gly Leu Arg Arg Ser Pro Ile Lys Lys Val Arg Lys  
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<210> 9209

<211> 14

<212> PRT

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<223> cSNP translation

<400> 9209

Cys Ile Arg Asp Arg Glu Gln Ala Pro Trp Val Gln Gln Ala  
1 5 10

<210> 9210

<211> 14

<212> PRT

<213> Homo sapiens



<220>  
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<222> (7)...(0)  
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<400> 9210  
Leu Pro Asn Arg Pro Arg Thr Pro Gly Ser Gly Thr Ala Ala  
1 5 10

<210> 9211  
<211> 14  
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<220>  
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<222> (8)...(0)  
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<400> 9211  
Leu Leu Asp Ala Ala Thr Gly Arg Arg Trp Pro Arg Ala Thr  
1 5 10

<210> 9212  
<211> 20  
<212> PRT  
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<222> (13)...(0)  
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<400> 9212  
Pro Trp Gly His Lys Arg Leu Gly Pro Gln Ala Gln Leu Pro Pro Ala Asp  
1 5 10 15  
Leu Leu His  
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<210> 9213  
<211> 14  
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<220>  
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<223> cSNP translation

<400> 9213  
Ala His Ile Ser Ser Cys Lys Trp Ala Pro Arg Cys His Trp  
1 5 10

<210> 9214  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9214

Gly Ala Leu Glu Gly Ser Ala Val Pro Ser Glu Gln Leu Trp  
 1 5 10

<210> 9215  
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<400> 9215  
 Pro Phe Arg Thr Ala Met Leu Cys  
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<210> 9216  
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<400> 9216  
 Ile Leu Ala Ala Gly Val Ala  
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<400> 9217  
 Lys Glu Arg Ile Val Glu Gly Pro Thr Arg Leu Leu Ser Ile  
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<210> 9218  
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<220>  
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 <223> cSNP translation

<400> 9218  
 Ala Ala Glu Gln Asp Lys Gly Pro Trp Arg Ala Ala Ala Val  
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<210> 9219  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9219  
Pro Val Glu Thr Pro Arg Gly Ser Pro His Ser Thr Pro Ala  
1 5 10

<210> 9220  
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<212> PRT  
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<220>  
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<223> cSNP translation

<400> 9220  
Ser Arg Ala Pro Gly Leu Arg Ser Gly Pro Ala Thr Lys Cys  
1 5 10

<210> 9221  
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<400> 9221  
Leu Ile Glu Trp Ile Arg Arg Thr Ser Leu Cys Phe Leu Glu  
1 5 10

<210> 9222  
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<222> (8)...(0)  
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<400> 9222  
Ile Ser Val Lys Gly Ile Arg Thr Thr Ser Pro Gln Pro Gln  
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<210> 9223  
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<220>  
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<223> cSNP translation

<400> 9223  
Asn Thr Phe Arg Gly Arg Ala Cys  
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<210> 9224  
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<220>  
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<222> (10)...(0)  
<223> cSNP translation

<400> 9224  
Cys Ala Glu Pro Met Arg Ala Pro Lys Ala Trp Leu Leu Leu  
1 5 10

<210> 9225  
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<220>  
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<400> 9225  
Glu Leu Leu Lys Asn Ser Ala Asn Cys  
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Trp Met Arg Ile  
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<210> 9226  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9226  
1 5 10

<210> 9227  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9227  
Gln Gly Leu Ile Glu Lys Phe Met Ser Leu Ile Val Ala Ile  
1 5 10

<210> 9228  
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<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
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<400> 9228  
Gln Gly Leu Ile Glu Lys Phe Met Ser Leu Ile Val Ala Ile  
1 5 10

<210> 9229  
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<220>  
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<400> 9229  
Glu Lys Glu Lys Phe Pro Gln Thr Thr Ser Pro Ser Ala Asn  
1 5 10

<210> 9230  
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<220>  
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<210> 9231  
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<220>  
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<222> (8)...(0)  
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<400> 9231  
Leu Ala Arg Ala Ala Ser Leu Ala Leu Ala Ser Cys Phe Cys  
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<210> 9232  
<211> 14  
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<220>  
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<400> 9232  
Pro Ala Ser Val Leu Ala Arg Cys Leu Pro Thr Gln Gln Ser  
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<210> 9233  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
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<400> 9233  
Phe Phe Leu Val Ala Phe Ala Ser Thr Trp Ala Thr Pro Ala  
1 5 10

<210> 9234  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 9234  
Lys Phe Cys Glu Ala Pro Ala Ala Ala Trp Leu Cys Thr Ala  
1 5 10

<210> 9235  
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<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9235  
Cys Val Ala Gly Leu Gly Gly Leu Gln Ser Leu Trp Arg Trp  
1 5 10

<210> 9236  
<211> 12  
<212> PRT  
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<220>  
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<400> 9236  
Pro Val Leu Val Ala Leu Ala Leu Leu Arg Ala Gly  
1 5 10

<210> 9237  
<211> 14  
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<220>  
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<222> (8)...(0)

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<400> 9237

Ala Leu Ile Gly Gly Leu Pro Cys His Thr Gln Thr Leu Pro  
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<210> 9238

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9238

Pro Glu Arg Pro Ala Met Ala Pro Arg Arg Pro Arg Thr Gly  
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<210> 9239

<211> 14

<212> PRT

<213> Homo sapiens

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<221> VARIANT

<222> (10)...(0)

<223> cSNP translation

<400> 9239

Leu Gly Thr Ser Gly Thr Ala Lys Lys Thr Ala Glu Cys Ile  
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<210> 9240

<211> 14

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<213> Homo sapiens

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<222> (7)...(0)

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<400> 9240

Ser Gly Thr Ala Lys Lys Thr Ala Glu Cys Ile Pro Lys Thr  
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<210> 9241

<211> 10

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<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 9241

Ser Glu Tyr Gln Gln Arg Arg Ser Gly Trp  
1 5 10

<210> 9242

<211> 14  
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<220>  
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 <222> (8)...(0)  
 <223> cSNP translation

<400> 9242  
 Glu Ala Ala Tyr Ala Ala Gly Ser Ala Ile Ser Arg Trp Ser  
 1 5 10

<210> 9243  
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 <212> PRT  
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<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9243  
 Gly Phe Leu Asn Gly Arg Ala Val  
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<210> 9244  
 <211> 14  
 <212> PRT  
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<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9244  
 Leu Glu Asp Gln Glu Gln Leu Cys Gly Ala Ser Asp Pro Leu  
 1 5 10

<210> 9245  
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 <212> PRT  
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<220>  
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 <222> (13)...(0)  
 <223> cSNP translation

<400> 9245  
 His Leu Asn Ala Leu Glu Ser Glu Cys Pro Gly Gly Ala Leu Leu Ala Pro  
 1 5 10 15  
 Leu Asp Ala  
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<210> 9246  
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<222> (7)...(0)

<223> cSNP translation

<400> 9246

Arg Pro Pro Leu Ala Glu Thr Ser Leu Met Asn Ser Asp Lys  
1 5 10

<210> 9247

<211> 10

<212> PRT

<213> Homo sapiens

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<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9247

Asp Asp Asp Leu Gly Gly Leu Gly Leu Gly  
1 5 10

<210> 9248

<211> 14

<212> PRT

<213> Homo sapiens

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<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9248

Val Asn Leu Arg Ser Leu Pro Ala Ser Pro Ser Ala Ser Arg  
1 5 10

<210> 9249

<211> 14

<212> PRT

<213> Homo sapiens

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<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9249

Leu Val Asn Leu Arg Ser Leu Pro Ala Ser Pro Ser Ala Ser  
1 5 10

<210> 9250

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<400> 9250

Leu Val Asn Leu Arg Ser Leu Pro Ala Ser Pro Ser Ala Ser  
1 5 10

<210> 9251

<211> 14  
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<220>  
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<400> 9251  
Phe Ser Arg Gln Tyr Ala Thr Phe Met Pro Pro Ala Ser Ser  
1 5 10

<210> 9252  
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<222> (8)...(0)  
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<400> 9252  
Asp Ile Arg Leu Ile Pro Lys Arg Ser Val Leu Leu Trp Cys  
1 5 10

<210> 9253  
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<400> 9253  
Arg Arg Ile Asp Ile Arg Leu Tyr Pro Lys Ile Ser Ile Thr  
1 5 10

<210> 9254  
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<222> (7)...(0)  
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<400> 9254  
Leu Asp Leu Glu Arg Met Arg Leu Pro Ser Arg Trp Thr Thr  
1 5 10

<210> 9255  
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<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 9255

Thr Val His Val Thr Arg Ser Arg Ser Ser Thr Ser Thr Ser  
1 5 10

&lt;210&gt; 9256

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9256

Tyr Cys Met Ala Val Cys Ala Ala Pro Cys Pro Lys Val Tyr  
1 5 10

&lt;210&gt; 9257

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9257

Lys Gln Cys Arg Arg Thr Gly Pro Cys Arg Ala Thr Ser Val  
1 5 10

&lt;210&gt; 9258

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9258

Val Ser Asp Asp Ser Arg Arg Trp Gly Ser Ser Ala Ala Thr  
1 5 10

&lt;210&gt; 9259

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9259

Thr Leu Pro Arg Gly Thr Ala Lys Lys Gly Lys Gly Pro Ala  
1 5 10

&lt;210&gt; 9260

&lt;211&gt; 7

&lt;212&gt; PRT

<213> Homo sapiens

<220>

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<222> (7)...(0)

<223> cSNP translation

<400> 9260

Met Asp Glu Asn Ser Glu Lys

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<210> 9261

<211> 14

<212> PRT

<213> Homo sapiens

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<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9261

Gly Pro Gly Ser Ser Gly Arg Gly Leu Asn Pro Trp Lys Pro

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<210> 9262

<211> 14

<212> PRT

<213> Homo sapiens

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<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9262

Leu Gly Pro Gly Ser Ser Gly Arg Gly Leu Asn Pro Trp Lys

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<210> 9263

<211> 14

<212> PRT

<213> Homo sapiens

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<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9263

Tyr Pro Cys Gly Ser Ala Ser Ile Gln Leu Ser Thr Pro Arg

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<210> 9264

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9264

Val Tyr Pro Cys Gly Ser Ala Ser Ile Gln Leu Ser Thr Pro  
1 5 10

<210> 9265  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9265  
Leu Gly Phe Val Gly Ser Ala Arg Arg Arg Gly Cys  
1 5 10

<210> 9266  
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<212> PRT  
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<220>  
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<222> (7)...(0)  
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<400> 9266  
Leu Ala Asn Tyr Thr Gly Ala Ser Met Pro Asn Thr Arg Thr  
1 5 10

<210> 9267  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9267  
Leu Ala Pro Leu Gly Arg Thr His Thr Pro Gly Leu Met Ser  
1 5 10

<210> 9268  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
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<400> 9268  
Ala Gly Ser Cys Glu Gly Val Met Thr Cys Pro Cys Gly Thr  
1 5 10

<210> 9269  
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<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9269  
Val Gly Leu Val Ser Trp Val Arg Ala Val Gly Ser Phe Thr  
1 5 10

<210> 9270  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9270  
Gln Thr Ser Ala Leu Arg Ser Cys Cys Leu Gln Arg Lys Arg  
1 5 10

<210> 9271  
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<220>  
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<222> (7)...(0)  
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<400> 9271  
Gly Ile Leu Leu Leu Ala Ala Cys Ala Ala Trp Ser Leu Ser  
1 5 10

<210> 9272  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9272  
Gly Ile Leu Leu Leu Ala Ala Cys Ala Ala Trp Ser Leu Ser  
1 5 10

<210> 9273  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9273  
Leu Leu Ala Gly Leu Cys Cys Trp Ser Leu Ser Pro Trp Leu  
1 5 10

<210> 9274  
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<212> PRT  
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<220>  
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<222> (7)...(0)  
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<400> 9274  
Ser Leu Tyr Arg Gln Leu Asp Thr Ser Pro Thr Ala Pro Ile  
1 5 10

<210> 9275  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9275  
Pro Leu Ser Val Ala Thr Ala Ser Arg Pro Ser Arg Trp Glu  
1 5 10

<210> 9276  
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<212> PRT  
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<220>  
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<223> cSNP translation

<400> 9276  
Ile Asn Arg Trp Ser Ala Ala  
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<210> 9277  
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<212> PRT  
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<220>  
<221> VARIANT  
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<223> cSNP translation

<400> 9277  
Phe Leu Thr Glu Ala Leu Leu  
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<210> 9278  
<211> 14  
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<220>  
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<222> (8)...(0)  
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<400> 9278  
Ala Val Glu Gly Ile Phe Phe Pro Val Leu Leu Arg Arg Tyr  
1 5 10

<210> 9279  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (9)...(0)  
<223> cSNP translation

<400> 9279  
Thr Lys Thr Gly Val Gly Tyr Pro Ser  
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<210> 9280  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9280  
Leu Phe Leu Ala Val Lys His Thr Ser Ser Pro Ser Ser Trp  
1 5 10

<210> 9281  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9281  
Val Val Val Val Gly Val Ala Glu Pro Ala Pro Cys Gly  
1 5 10

<210> 9282  
<211> 14  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9282  
Glu Trp Cys Gly Tyr Ala Trp Pro Ala Gly Leu Ser Lys Ala  
1 5 10

<210> 9283



<211> 14  
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<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9283  
Ile Pro Trp Gly Ile Ser Ala Leu Gln Pro Ser Gly Leu Leu  
1 5 10

<210> 9284  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9284  
Gly Gly Ala Ser Gly Leu Gly Trp Pro Arg Arg Ser Asp Leu  
1 5 10

<210> 9285  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9285  
Ile Thr Gly Gly Ala Ser Gly Trp Ala Trp Pro Arg Arg Ser  
1 5 10

<210> 9286  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9286  
Val Ala Val Ile Thr Gly Glu Pro Arg Ala Trp Ala Trp Pro  
1 5 10

<210> 9287  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9287  
Ser Val Lys Gly Leu Val Arg  
1 5

<210> 9288  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9288  
Ser Lys Gly Gly Ile Val Ala  
1 5

<210> 9289  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9289  
Leu Ser Val Thr Thr Gly Ala Arg Pro Arg Cys Thr Arg Arg  
1 5 10

<210> 9290  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
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<400> 9290  
Leu Phe Leu Ala Val Lys His Ile Ser Ser Pro Ser Ser Trp  
1 5 10

<210> 9291  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9291  
Arg Ser Phe Gln Ala Ala Arg Leu Cys Ser Pro Arg Arg Pro  
1 5 10

<210> 9292  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9292

Lys Pro Glu Leu Arg Lys Arg Tyr Ile Gln Gln Trp Ser Phe  
1 5 10

<210> 9293

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<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9293

Ser Leu Gly Leu Pro Val Glu Leu  
1 5

<210> 9294

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9294

Ser Leu Gly Leu Pro Val Glu Leu  
1 5

<210> 9295

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9295

Gln Glu Gly Lys Gly His Gly Gly Phe Trp Ser Pro Ala Leu  
1 5 10

<210> 9296

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9296

Arg Pro Gly Pro Pro Ser Ala Gln Leu Gln Ala Ala Pro Ala  
1 5 10

<210> 9297  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9297  
Arg Phe Cys Arg Ala Ser Arg Pro Ala Pro Ala Arg Ala Pro  
1 5 10

<210> 9298  
<211> 14  
<212> PRT  
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<220>  
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<400> 9298  
Thr Ser Ala Ser Cys Ile Arg Val Arg Ala Ala Pro Ala Arg  
1 5 10

<210> 9299  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9299  
Pro Ser Leu Pro Arg Pro  
1 5

<210> 9300  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9300  
Ala Glu Lys Leu Glu Ser Glu Lys Met Cys Pro Lys Leu Ser  
1 5 10

<210> 9301  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
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<400> 9301  
Ala Glu Lys Leu Glu Ser Glu Lys Met Cys Pro Lys Leu Ser  
1 5 10

<210> 9302  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9302  
Ser Leu Pro Tyr Gly Thr Ala Trp Lys Lys Leu Ser Ser Ser  
1 5 10

<210> 9303  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
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<400> 9303  
Ser Ala Leu Arg Val His Asn Tyr Ala  
1 5

<210> 9304  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
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<223> cSNP translation

<400> 9304  
Ala Leu Arg Val His Thr Leu Leu Arg Arg Leu Arg Gly Asp  
1 5 10

<210> 9305  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9305  
Val Arg Val Leu Asp Thr Pro Gly  
1 5

<210> 9306  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9306  
Pro Asp Gly Tyr Ala Leu Val Arg Ser Arg Pro Ser Ser Thr  
1 5 10

<210> 9307  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9307  
Gln Ala Ala Leu Gln Val Pro Arg Ala Ser Ser Arg Ala Cys  
1 5 10

<210> 9308  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9308  
Tyr Arg Leu Glu Leu Glu Val Pro Gln Ala Arg Leu Leu Gly  
1 5 10

<210> 9309  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9309  
Cys Thr Leu Arg Asn Leu Ser Ile Gly Trp Ser Trp Arg Ser  
1 5 10

<210> 9310  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)  
<223> cSNP translation

<400> 9310  
Ser Glu Glu Thr Arg Val Trp Thr Ala Gly Met Glu Ser Gly  
1 5 10

<210> 9311  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9311  
Ala Ala Pro Pro Gly Leu Thr Phe Gly Ser Gly Trp Gly Thr  
1 5 10

<210> 9312  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9312  
Trp Val Ser Gly Arg Asp Ala Thr Arg Ser Ser Ser His Cys  
1 5 10

<210> 9313  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9313  
Val Ser Lys Cys Glu Ile Ala Gly Ser Thr Asn Cys Met Ser  
1 5 10

<210> 9314  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9314  
Ser Leu Met Leu Ala Lys Ala Arg Asn Ala Gly Ser Arg Ser  
1 5 10

<210> 9315

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9315  
Ser Leu Met Leu Ala Lys Ala Arg Asn Ala Gly Ser Arg Ser  
1 5 10

<210> 9316  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9316  
Lys Val Arg Tyr Leu Ala Glu Ala Ser Pro Arg Cys Arg Pro  
1 5 10

<210> 9317  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9317  
Val Arg Val Ser Ala Asp Ala Cys Ser Gly Pro Cys Trp Ala  
1 5 10

<210> 9318  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9318  
Asp Thr Phe Ala Ala Met Gly Ala Ser Met  
1 5 10

<210> 9319  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation



&lt;400&gt; 9319

Leu Ala Glu Ile Phe Arg Ala Pro Gly Ser Thr  
1 5 10

&lt;210&gt; 9320

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9320

Asp Gly Tyr Ile Asp Pro Glu Ser Trp Leu Arg Phe Ser Gly  
1 5 10

&lt;210&gt; 9321

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9321

Trp Ala Ala Thr Ala Gly Ala Ser Phe Arg Ala Leu Arg Gln  
1 5 10

&lt;210&gt; 9322

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9322

Ser Pro Ala Thr Val Gln Thr Asp Lys Val Thr Ser Thr Asn  
1 5 10

&lt;210&gt; 9323

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9323

Asn Val Pro His Leu Arg Tyr Cys Gly Trp Met Glu Thr Thr  
1 5 10

&lt;210&gt; 9324

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9324

Asp Ala Leu Gln Ala Gly Ala Pro Ser Leu Lys Gln Ala Gln  
1 5 10

<210> 9325

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9325

Arg Val Gly Val Ile Gly Ser Gln Met Trp Gly Lys Ala Ala  
1 5 10

<210> 9326

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9326

Gln Glu Thr Cys Ser Lys Pro Phe Gly Leu Glu  
1 5 10

<210> 9327

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9327

Ser Glu Val Ala Pro Arg Arg Gln Gln Pro Ser Cys Pro Lys  
1 5 10

<210> 9328

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9328

Phe Ile Glu Trp Ala Arg His Pro Asn Leu Leu Val Trp Lys  
1 5 10

<210> 9329  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9329  
Gln Gly Ile Pro Val Pro Leu Arg Gly Gln His Thr  
1 5 10

<210> 9330  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9330  
Ser Ile Glu Glu Ala Leu Leu Thr Leu Met Cys Ser Thr  
1 5 10

<210> 9331  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9331  
Leu Pro His Ala Asn Gly Trp Pro Pro Gly Pro Gln Ala Arg  
1 5 10

<210> 9332  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9332  
His Ala Asn Gly Leu Ala Pro Gly Pro Gln Ala Arg Thr Pro  
1 5 10

<210> 9333  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9333  
Ala Pro Arg Pro Pro Gly Arg Thr Pro Arg Arg Lys Gln Pro  
1 5 10

<210> 9334  
<211> 2  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9334  
Cys Tyr  
1

<210> 9335  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9335  
Leu Ser Pro Ile Tyr Pro Val Arg Gly Ala Trp Trp Ile Val  
1 5 10

<210> 9336  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9336  
Arg Ile Leu Ser Gly Pro Leu Ser Lys Ser Gly Met Glu Lys  
1 5 10

<210> 9337  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9337  
Ser Met Asp Gly Ala Val Cys His Trp Lys Ser Cys Val Met  
1 5 10

<210> 9338  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9338  
Ser Gly Thr Leu Gly Lys Ala Leu Val Val Leu Glu Gly Thr  
1 5 10

<210> 9339  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9339  
Ala Ala Gly Val Ala Val Leu Thr Thr His Thr Leu  
1 5 10

<210> 9340  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9340  
Pro Gln Ala Leu Ala Thr Gly Ser Gly Arg Leu Ser Ser Pro  
1 5 10

<210> 9341  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9341  
Ile Lys Phe Ala Ala Ile Gly Pro Leu Arg Leu Ala Arg Trp  
1 5 10

<210> 9342  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)  
<223> cSNP translation

<400> 9342  
Gly Leu Val Asp Asp Phe Arg Arg Ser Leu Met Arg  
1 5 10

<210> 9343  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9343  
Gly Leu Val Asp Asp Phe Glu Arg Ser Leu Met Arg  
1 5 10

<210> 9344  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9344  
Glu Ala Val Ala Ala Gln Ala Arg Pro  
1 5

<210> 9345  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9345  
Asn Glu Arg His Tyr Gly Ala Ser Gln Ala Ser Thr Arg Gln  
1 5 10

<210> 9346  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9346  
Gly Glu Gly Trp Gly Ser Gly Ala Ala Ser Ser Ser Ala Arg  
1 5 10

<210> 9347

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9347  
Ala Glu Tyr Gln Ser Leu Cys Leu Thr Ala Gly Ala Thr Trp  
1 5 10

<210> 9348  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9348  
Glu Tyr Gln Ser Leu Cys Leu Thr Ala Gly Ala Thr Trp Arg  
1 5 10

<210> 9349  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9349  
Pro Ser Gly Asp Leu Ser Ser Gly Glu Thr Trp Thr Asn Val  
1 5 10

<210> 9350  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9350  
Pro Arg Leu Asp Arg Gln Pro Pro Thr Gln Ser Ala Ala Ala  
1 5 10

<210> 9351  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9351

Ser Pro Val Leu Pro Ala Arg His Leu Arg His Pro Cys Pro  
 1 5 10

&lt;210&gt; 9352

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9352

Ser Thr Pro Arg Gln Gly Leu Trp Gly Val Gly Ala Gly Ser  
 1 5 10

&lt;210&gt; 9353

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9353

Trp Ile His Glu Pro Lys Ala Thr Met Pro Thr Ser Ala Ser  
 1 5 10

&lt;210&gt; 9354

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9354

His Glu Pro Trp Gly Gly Arg Gln Phe Gly Gly Trp Glu Arg  
 1 5 10

&lt;210&gt; 9355

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9355

Cys Gly Ser Lys Gly Ile Cys Arg Thr Leu Leu Glu Ala Ser  
 1 5 10

&lt;210&gt; 9356

&lt;211&gt; 14

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9356

Val	His	Val	Leu	Asn	Leu	Ala	Leu	Gln	Ala	Arg	Gly	Trp	Pro
1				5					10				

<210> 9357

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9357

Pro	Glu	Ser	Pro	His	Cys	Gly	Gln	Gly	Leu	Ala	Ser	Tyr	Arg
1				5					10				

<210> 9358

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9358

Glu	Lys	Glu	Gly	Leu	Gly	Val	Pro	Ala	Thr
1				5					10

<210> 9359

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9359

Pro	Arg	Arg	Ser	Pro	Trp	Gly	Pro	Pro
1				5				

<210> 9360

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9360

Asn Gly Thr Gln Leu Asp Glu  
1 5

<210> 9361  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9361  
Gly Thr Gln Leu Asp Ala Ala Glu Ser Lys Arg  
1 5 10

<210> 9362  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9362  
Ala Ser Arg Ser Ser Glu Lys Arg Trp Arg Cys Ser Arg Pro  
1 5 10

<210> 9363  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9363  
Ser Thr Phe Gln Ser Glu Pro Ser Pro Ser Leu Ser Pro Ser  
1 5 10

<210> 9364  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9364  
Arg Arg Ile Met Ala Ala Ala Asn Pro Ser Thr Thr Gly Arg  
1 5 10

<210> 9365  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9365  
Arg Arg Ile Met Ala Ala Ala Asn Pro Ser Thr Thr Gly Arg  
1 5 10

<210> 9366  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9366  
Glu Glu Val Ser Arg Thr Arg Val Arg Gly Pro Gln Gly  
1 5 10

<210> 9367  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9367  
Asn Lys Arg Thr Pro Arg Pro Pro Leu Arg Ser Ser Arg Ser  
1 5 10

<210> 9368  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9368  
Lys Arg Thr Pro Arg Arg Ala Leu Arg Ser Ser Arg Ser Leu  
1 5 10

<210> 9369  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9369  
Arg Thr Pro Arg Arg Ala Val Arg Ser Ser Arg Ser Leu Gly  
1 5 10

<210> 9370  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9370  
Cys Arg Asn Val Leu Arg Ser Pro Ser Arg Arg Ser Val Ala  
1 5 10

<210> 9371  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9371  
Glu Arg Phe Leu Pro Leu Gly Thr Leu Gly Thr Glu Arg Pro  
1 5 10

<210> 9372  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9372  
Gly Lys Gly Ser Leu Gly Ser Lys Gly Pro Arg Thr Ser Gln  
1 5 10

<210> 9373  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9373  
Ser Ser Arg Gly Arg Thr Ser Val Leu Met Lys Met Arg Ile  
1 5 10

<210> 9374  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)  
<223> cSNP translation

<400> 9374  
Thr Arg Phe Arg Arg Pro Ala Ser Gly Pro Leu Arg Arg Pro  
1 5 10

<210> 9375  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9375  
Glu Gln Val Ala Met Thr Leu Pro Arg Pro Ser Ala Arg Ala  
1 5 10

<210> 9376  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9376  
Gly Pro Gln Gln Val Pro Arg Arg Pro Arg Arg Pro Pro Ser  
1 5 10

<210> 9377  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9377  
Leu Asp Thr Met Lys Ala Gly Asn Gln  
1 5

<210> 9378  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9378  
Ser Ala Ala Gly Arg Arg Glu Leu Gly Leu Gly Arg Arg Pro  
1 5 10

<210> 9379

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9379  
Ala Gly Val Arg Pro Gly Ser Pro Gly Pro Gln His Gln Pro  
1 5 10

<210> 9380  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9380  
Ser Ser Glu Thr Pro Val Gly Pro Gln Lys Lys  
1 5 10

<210> 9381  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9381  
Gln Thr Ser Gly Gly Gly Gly Ala Thr Pro Pro Arg Arg Arg  
1 5 10

<210> 9382  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9382  
Gly Ser Val Arg Lys Gln Leu  
1 5

<210> 9383  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 9383

Arg Lys Gly Ser Val Arg Arg Ala Thr Leu Glu Ile Tyr Pro  
1 5 10

&lt;210&gt; 9384

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9384

Pro Val Leu Lys Ala Lys Lys  
1 5

&lt;210&gt; 9385

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9385

Leu Gly Arg Ser Gly Ala Asp Cys Ala Pro Ala Val Glu Val  
1 5 10

&lt;210&gt; 9386

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9386

Leu Ser Leu Lys Phe Ala Ser Ala Asp Gly Gly Leu  
1 5 10

&lt;210&gt; 9387

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9387

Gln Arg Gly Gly Leu Arg Cys Thr Gly Val Cys Ser Cys Arg  
1 5 10

&lt;210&gt; 9388

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9388

Gly Asn Ser Ala Pro Asn Lys Pro His Gly His Ala Ala His  
1 5 10

<210> 9389

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9389

Asp Asn Ile Met Arg Leu Thr Met Ser Leu Ala Thr Ser Ile  
1 5 10

<210> 9390

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9390

Ile Met Arg Leu Asp Asp Val Ser Trp Leu His Gln Ser  
1 5 10

<210> 9391

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9391

Ala Val His Thr Gly Ser Arg Pro Thr Pro Ala Pro Ser Ala  
1 5 10

<210> 9392

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9392



His Thr Gly Ser Arg Pro Thr Pro Ala Pro Ser Ala Pro Ala  
1 5 10

<210> 9393  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9393  
His Ala Cys Ala Val Cys Pro Ala Ala Ser Ala Pro Lys Pro  
1 5 10

<210> 9394  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9394  
Ala Ile His Thr Gly Ser Arg Pro Ser Pro Ala Arg Ser Ala  
1 5 10

<210> 9395  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9395  
Arg Phe Ser Ala Ser Ser Gln Leu Leu Leu Ala Arg Ser Pro  
1 5 10

<210> 9396  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9396  
Trp Met Val Ala Gly Lys Ala Thr Leu Arg Cys Pro Asn Ala  
1 5 10

<210> 9397  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9397  
Ala Leu Glu Thr Val Pro Lys Thr Cys Gly Ile Cys Gly Pro  
1 5 10

<210> 9398  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9398  
Pro Leu Glu Ser Tyr Val Lys Lys Leu  
1 5

<210> 9399  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9399  
Ala Gln Asn Met Gly Leu Pro Arg Thr Val Ser Phe Phe His  
1 5 10

<210> 9400  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9400  
Lys Met Glu Pro Ser Thr Ala Pro Gly Leu Gly Pro Ser Phe  
1 5 10

<210> 9401  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9401  
Arg Lys Asp Val Leu Val Val Pro Leu Gly Trp Leu Pro Leu  
1 5 10

<210> 9402  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9402  
Pro Val His Leu Leu Pro Cys Thr Gly Tyr Ser Ile Ser Thr  
1 5 10

<210> 9403  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9403  
Ala Ile Met Ala Ala Arg Pro Ser Ser Thr Ile Pro Thr Glu  
1 5 10

<210> 9404  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9404  
Glu Gln Leu Gln Thr Ala Ala His Ser Lys Tyr His Arg Ser  
1 5 10

<210> 9405  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9405  
Gln Met Thr Gly Gln Arg Pro Ala Cys Thr Gly Gly Cys Ala  
1 5 10

<210> 9406  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)  
<223> cSNP translation

<400> 9406  
Arg Met Ile Pro Cys Arg Ala Arg  
1 5

<210> 9407  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9407  
Glu Glu Asn Asn Gly Val Ala Ser Thr Ser Ala Val Ser Ser  
1 5 10

<210> 9408  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9408  
Thr Arg Leu Ala Ile Met Gly Glu Arg Ser Pro Ala Val Pro  
1 5 10

<210> 9409  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9409  
Phe Arg Lys Pro Cys Ser Gly  
1 5

<210> 9410  
<211> 14  
<212> PRT  
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<220>  
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<223> cSNP translation

<400> 9410  
Ala Ile Ala Tyr Trp Val Pro Gly Thr His Cys Pro Gln Ile  
1 5 10

<210> 9411

<211> 14  
<212> PRT  
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<220>  
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<223> cSNP translation

<400> 9411  
Arg Phe Tyr Ser Thr Arg Cys Ala Ala Val Ala Met Ser Ala  
1 5 10

<210> 9412  
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<212> PRT  
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<220>  
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<222> (14)...(0)  
<223> cSNP translation

<400> 9412  
Thr Leu His Leu Gln His Leu Cys Ile Ser Ser Ile Trp Glu Thr Met Phe  
1 5 10 15  
Ser Cys Cys  
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<210> 9413  
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<213> Homo sapiens

<220>  
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<400> 9413  
Leu Asp Leu Gln Thr Val Arg Gln Tyr Trp Leu Cys Leu Gly  
1 5 10

<210> 9414  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9414  
Ile Pro Ala Met Val Cys Ala Leu Pro Ser Ser Ser Ile Ser  
1 5 10

<210> 9415  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9415  
Ser Ala Arg Cys Leu Glu Pro Met Val Ala Met Leu Gly Ala  
1 5 10

<210> 9416  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9416  
Leu Glu Pro Tyr Gly Gly Met Leu Gly Ala Val Ala Ala Gln  
1 5 10

<210> 9417  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9417  
Tyr Gly Gly His Ala Gly Ser Val Ala Ala Gln Glu Val Leu  
1 5 10

<210> 9418  
<211> 14  
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<220>  
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<222> (8)...(0)  
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<400> 9418  
Gln Pro Ser Thr Pro Cys Ser Gly Pro Gly Met Ser Leu Lys  
1 5 10

<210> 9419  
<211> 14  
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<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9419  
Leu Tyr Val Leu Ala Ala Ala Thr Cys Met Pro Arg Cys Met  
1 5 10

<210> 9420

<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9420  
Val Ala Gly Leu Leu Gly Trp Ser Cys Ile Arg Trp  
1 5 10

<210> 9421  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
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<400> 9421  
Arg Lys Gln Val Leu Gly Thr Arg Trp Thr Arg Ser Val Thr  
1 5 10

<210> 9422  
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<212> PRT  
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<220>  
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<400> 9422  
Gln Pro Glu His Pro Leu Arg Leu Thr  
1 5

<210> 9423  
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<212> PRT  
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<223> cSNP translation

<400> 9423  
Lys Ser Lys Met Ala Ala Arg Gly Gly  
1 5

<210> 9424  
<211> 14  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 9424

Glu Pro Asp Glu Ser Asn Pro Val Ile Phe Met Trp Ser Leu  
1 5 10

&lt;210&gt; 9425

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9425

Met Ala Gly Leu Pro Arg Arg Ser Ser Arg Lys Pro Ser Val  
1 5 10

&lt;210&gt; 9426

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9426

Met Asp Arg Ser Ile Ile Cys Gly Thr Cys Ser Thr Pro Pro  
1 5 10

&lt;210&gt; 9427

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9427

Ile Met Asp Arg Ser Ile Ile Cys Gly Thr Cys Ser Thr Pro  
1 5 10

&lt;210&gt; 9428

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9428

Gln Pro Arg Arg Arg Lys Phe Glu Thr Trp Arg Thr His Trp  
1 5 10

&lt;210&gt; 9429

&lt;211&gt; 13

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9429

Asp Pro Leu Leu Thr Tyr Arg Ser His Gln Ser Ser Pro  
1 5 10

<210> 9430

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9430

Asp Pro Leu Leu Thr Tyr Arg Ser His Gln Ser Ser Pro  
1 5 10

<210> 9431

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9431

Ile Trp Ala Ala Gly Ala Gly Pro Pro Thr Ala Pro Leu Pro  
1 5 10

<210> 9432

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9432

Asp Leu Leu His His His Thr  
1 5

<210> 9433

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9433

Ala Val Ile Ala Ala Val Asn His Ser Ala Pro Ala Val Ser  
 1 5 10

<210> 9434  
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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9434  
 Arg Arg Leu Leu Phe Phe Phe Leu Phe His Met Tyr Gln Arg  
 1 5 10

<210> 9435  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (10)...(0)  
 <223> cSNP translation

<400> 9435  
 Ser Arg Arg Arg Leu Leu Phe Phe Phe Leu Phe His Met Tyr  
 1 5 10

<210> 9436  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9436  
 Ser Leu Ile Arg Pro Arg Pro Gln Leu Leu Leu Ser Pro Ser  
 1 5 10

<210> 9437  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9437  
 Arg Gly Leu Ala Ser Pro Leu  
 1 5

<210> 9438  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9438  
His Phe Leu Ala Thr Ala Ala Pro Arg Pro Trp Pro Leu Ala  
1 5 10

<210> 9439  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
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<223> cSNP translation

<400> 9439  
Glu Ser Asp Asp Glu Ile Ala Arg  
1 5

<210> 9440  
<211> 7  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9440  
Glu Ile Ala Asp Lys Asp Ser  
1 5

<210> 9441  
<211> 14  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9441  
Asp Ala Pro Ile Ala Gly Gly Gln Thr His Asp His Ala Ala  
1 5 10

<210> 9442  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
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<400> 9442  
Asp Ala Pro Ile Ala Gly Gly Gln Thr His Asp His Ala Ala  
1 5 10

<210> 9443  
<211> 14  
<212> PRT  
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<220>  
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<223> cSNP translation

<400> 9443  
Arg Pro Arg Gly Ala Thr Ala Thr Pro Pro Pro Thr Gly Ala  
1 5 10

<210> 9444  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 9444  
Lys Leu Ser Ser Arg Asp Glu His Ala Ala Ser Gly Ser Pro  
1 5 10

<210> 9445  
<211> 14  
<212> PRT  
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<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9445  
Cys Leu Arg Glu Pro Ala Thr Arg Leu Leu Leu Arg Arg Ser  
1 5 10

<210> 9446  
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<212> PRT  
<213> Homo sapiens

<220>  
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<223> cSNP translation

<400> 9446  
His Glu Gly Ala Gly Ala His Arg Arg Arg  
1 5 10

<210> 9447  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9447

Lys Phe Ser Glu Gly Glu Ala His Tyr Gly  
1 5 10

<210> 9448

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9448

Ala Ser Leu His Val Val Met Gln His  
1 5

<210> 9449

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9449

Leu Ala Ser Leu His Val Val Met Gln His  
1 5 10

<210> 9450

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9450

Pro Lys Thr Ser Leu Glu Asp Ser Leu His Arg Val Leu Pro  
1 5 10

<210> 9451

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<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (11)...(0)

<223> cSNP translation

<400> 9451

Leu Gln Cys Pro Pro Phe Lys Lys Lys Lys  
1 5 10

<210> 9452

<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9452  
Leu Leu Gln Arg Ala Lys Lys Gly Gly Ser Lys Glu Asn  
1 5 10

<210> 9453  
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<212> PRT  
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<220>  
<221> VARIANT  
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<223> cSNP translation

<400> 9453  
Thr Asn Leu Arg Arg Phe Arg Pro Cys Leu Gly Arg Ala Ala  
1 5 10

<210> 9454  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9454  
Arg Ile Lys Thr Pro Ser Val Ser Ser Leu Ile Leu Asn Trp  
1 5 10

<210> 9455  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9455  
Ala Asp Gln Gly Ala Ala Asn Gln Phe Leu Val Ser  
1 5 10

<210> 9456  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9456

Ala Thr Gln Ser Phe Ser Thr Ser  
1 5

&lt;210&gt; 9457

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9457

Val Cys Ser Cys Val Glu Gly Arg Gln Ser Leu Arg Pro Arg  
1 5 10

&lt;210&gt; 9458

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9458

Thr Met Ser Asp Leu Pro Glu Cys Gly Met Glu Pro Arg His  
1 5 10

&lt;210&gt; 9459

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9459

Ile Gln His Thr Gly Ala Gln Leu Lys Asn Leu Met Met Ile  
1 5 10

&lt;210&gt; 9460

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9460

Ala Lys Cys Glu His Leu Leu Pro Pro Pro Arg Met Ser Thr  
1 5 10

&lt;210&gt; 9461

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9461

Glu Glu Glu Lys Ala Ala Ala Pro Pro Arg Arg Ser Gly Pro  
1 5 10

<210> 9462

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9462

Ile Tyr Ser Phe Trp Leu Lys Val Cys Gln Gly Pro Arg Ala  
1 5 10

<210> 9463

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9463

Gly Ala Thr Gln Gln Asp Ala Met Pro Leu Pro Ser  
1 5 10

<210> 9464

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9464

Ser Thr Val Met Ser Arg Lys Ala Arg Leu Leu Ser Cys Lys  
1 5 10

<210> 9465

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9465



Gly Arg Asp Ser Gly Arg Arg Gly Thr Leu Pro Thr  
 1 5 10

<210> 9466  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9466  
 Gly Arg Asp Ser Gly Arg Glu Gly Thr Leu Pro Thr  
 1 5 10

<210> 9467  
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 <212> PRT  
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<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9467  
 Asp Ser Gly Arg Glu Arg Thr Leu Pro Thr  
 1 5 10

<210> 9468  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9468  
 Tyr Pro Pro Ser Ser Val Arg Arg Glu Tyr Ser Arg Gln Pro  
 1 5 10

<210> 9469  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9469  
 Val Arg Leu Val Pro Thr Ala  
 1 5

<210> 9470  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9470  
Lys Gln Asn Asp Thr Pro Lys Gly Leu Ser Leu Pro Leu Cys  
1 5 10

<210> 9471  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9471  
Pro Ser Thr Gly Ala Met Ala Gln Lys Arg Tyr Cys Arg Arg  
1 5 10

<210> 9472  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9472  
Gly Tyr Lys Ala Lys Arg Gln Lys Lys Pro  
1 5 10

<210> 9473  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9473  
Thr Leu Glu Val Asn Arg Ser Cys Trp Thr Trp Thr Arg Arg  
1 5 10

<210> 9474  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9474  
Gln Cys Ile Glu Gly Ile Ser Gly Ser Ser Ala Leu Pro Gly  
1 5 10

<210> 9475  
<211> 20  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (14)...(0)  
<223> cSNP translation

<400> 9475  
Asp Arg Glu Arg Glu Arg Gly Gln Gly Glu Arg Glu Arg Lys Gly Ala Gly  
1 5 10 15  
Gln Gly Gly  
20

<210> 9476  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9476  
Ser Tyr Ala Ser Ala Leu Arg Pro Leu Gln Ser Pro Gly Pro  
1 5 10

<210> 9477  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9477  
Gly Tyr Thr Tyr Ile Leu Pro Arg Met Cys Leu Arg Ser Ser  
1 5 10

<210> 9478  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9478  
Ala Ala Ser Ala Met Ala Glu  
1 5

<210> 9479  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9479  
 Lys Glu Lys Arg Thr Glu Ala Met Gln Pro Phe Arg Lys Ile  
 1 5 10

<210> 9480  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9480  
 Pro Gly Met Pro Pro Gly Ala Glu Ala Glu Glu Glu Ala Lys  
 1 5 10

<210> 9481  
 <211> 14  
 <212> PRT  
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<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9481  
 Ile Ser Arg Gln Leu Pro Pro Thr Gly Thr Pro Thr Ser Ser  
 1 5 10

<210> 9482  
 <211> 14  
 <212> PRT  
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<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9482  
 Gln Leu Pro Pro Asn Gly Thr Pro Thr Ser Ser Cys Ser Ser  
 1 5 10

<210> 9483  
 <211> 14  
 <212> PRT  
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<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9483  
 Val Gly Pro Gly Pro Gly Ala Gln Ala Leu Leu Ala Gln Trp  
 1 5 10

<210> 9484  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9484  
Gly Pro Ala Gly Pro Met Gly Pro Ser Ile Leu Gly Pro Ser  
1 5 10

<210> 9485  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9485  
Pro Ala Pro Ala Pro Ala Ala His Arg Leu Arg Val Ser Pro  
1 5 10

<210> 9486  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9486  
Pro Pro Ala Gln Gly Glu Pro Leu Ser Pro His Pro Pro Ala  
1 5 10

<210> 9487  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9487  
Pro Ala Gln Gly Glu Pro Leu Ser Pro His Pro Pro Ala Ser  
1 5 10

<210> 9488  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9488

Ala Gln Val Ala Thr Gly Gly Val Gln Glu Leu Pro Gln Ala  
1 5 10

<210> 9489

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9489

His Gln Val Ala Pro Ser Gln Gln Ala Thr Arg Ile Pro Thr  
1 5 10

<210> 9490

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9490

Gly Glu Ala Ala Pro Gly Arg Asn Pro Gln Pro Gln Pro Arg  
1 5 10

<210> 9491

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9491

Cys Leu Thr Pro Ala Ala Arg Pro Glu Pro Gly His Ala Ser  
1 5 10

<210> 9492

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9492

Trp Ala Gly Pro Ala Gln Ala Pro Ala Arg Ala Pro Gly Ser  
1 5 10

<210> 9493

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9493  
Pro Leu Arg Leu Gln Arg Arg Ser Ser Ala Gln Lys Pro Leu  
1 5 10

<210> 9494  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9494  
Asp Ala Ala Lys Ser Glu Ala Arg Asn Arg Ala Met Ser Leu  
1 5 10

<210> 9495  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9495  
Ser Asp Leu Gly Arg Ala Ala Arg Asp Cys Arg Ser Phe  
1 5 10

<210> 9496  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9496  
Lys Leu Thr Ser Asp Leu Gly Ala Pro Pro Arg Asp Cys Arg  
1 5 10

<210> 9497  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9497

Asp Trp Glu Arg His His Arg Ser Val Val Arg Thr Cys Met  
1 5 10

&lt;210&gt; 9498

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9498

Lys Glu Lys Asp Arg Glu Ala Ala Ala  
1 5

&lt;210&gt; 9499

&lt;211&gt; 1

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9499

Ser

1

&lt;210&gt; 9500

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (10)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9500

Lys Arg Val Met Glu Cys Leu Lys Lys Leu  
1 5 10

&lt;210&gt; 9501

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9501

Glu Phe Met Thr Arg His His Gly Thr  
1 5

&lt;210&gt; 9502

&lt;211&gt; 14

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9502

Asp Ala Val Arg Ser His Trp Gly Ala Gly Asp Thr Val Thr  
1 5 10

<210> 9503

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9503

Glu Asp Ala Val Arg Ser His Pro Gly Gly Leu Gly Thr Pro  
1 5 10

<210> 9504

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9504

Arg Tyr Trp Pro Ala Arg Gly Leu Ser  
1 5

<210> 9505

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9505

Asn Leu Gly Arg Tyr Trp Gln Pro Gly Ala Leu Ser  
1 5 10

<210> 9506

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9506

Gln Gln Gln Gln Gln Gln Gln Thr Ser Ala Gly Leu Arg Gly  
 1 5 10

<210> 9507  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9507  
 Pro Ser Pro Ser Arg Asp Arg Gly Ala Ser Phe Val Pro Leu  
 1 5 10

<210> 9508  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9508  
 Phe His Pro Asp Gly Arg Ala Trp Pro Pro Ser Leu His Thr  
 1 5 10

<210> 9509  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9509  
 Val Leu Arg Thr Asp Arg Pro Thr Pro Thr Met Arg Gly Leu  
 1 5 10

<210> 9510  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9510  
 Lys Glu Asn Phe Lys Asn Ser Ser Ser Leu Ser Ala Pro Cys  
 1 5 10

<210> 9511  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9511  
Thr Tyr Gln Tyr Asp Glu Thr Pro Ala Thr Thr Met Thr Pro  
1 5 10

<210> 9512  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9512  
Glu Ala Gln Thr Arg Val Arg Ala Pro Ala Trp Val His Gly  
1 5 10

<210> 9513  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9513  
Gln Gly Trp Leu Gly Ala Gly Pro Gly Ala Pro Leu Leu Tyr  
1 5 10

<210> 9514  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9514  
Asp Cys Ser Leu Cys Ala Glu Pro Cys Pro His Ser Ser Leu  
1 5 10

<210> 9515  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9515  
Phe Glu Val Asn Asp Arg Lys Thr Pro Lys Arg Arg Pro Ser  
1 5 10

<210> 9516  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9516  
Gly Met Gly Pro Glu Gly His Pro Trp Ala Glu Gly Cys Gln  
1 5 10

<210> 9517  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9517  
Lys Arg Trp Gly Pro Arg Trp Asn Pro Pro  
1 5 10

<210> 9518  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9518  
Cys Gly His Ala Gly Asp Lys Ala Leu Pro Pro Pro Leu Gln  
1 5 10

<210> 9519  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9519  
Ile Leu Pro Leu Ala Trp Gly Leu Pro Ser Pro Ser Gln Ser  
1 5 10

<210> 9520  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9520

Pro Pro Ser Gln Ser Glu Pro Gln Arg Arg Ala Thr Arg Pro  
1 5 10

<210> 9521

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9521

Leu Arg Lys Val Asp Glu Pro Ser Pro Tyr Ser Arg Arg Cys  
1 5 10

<210> 9522

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9522

Glu Asp Leu Glu Asp Leu Glu Arg Arg Arg Lys Cys Pro Thr  
1 5 10

<210> 9523

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9523

Glu Asp Leu Glu Asp Leu Arg Arg Arg Arg Lys Cys Pro Thr  
1 5 10

<210> 9524

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9524

Asp Tyr Arg Tyr Ser Gln Leu Met Pro  
1 5

<210> 9525

<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9525  
Glu Val Ser Glu Gln Pro Lys Lys Pro Ala  
1 5 10

<210> 9526  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9526  
Leu Arg Leu Ser Leu Asn Ala Thr Ala Ser Val Thr Tyr Ser  
1 5 10

<210> 9527  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9527  
Leu Arg Leu Ser Leu Asn Ala Thr Ala Ser Val Thr Tyr Ser  
1 5 10

<210> 9528  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9528  
Ile Pro Leu Glu Ser Gly Ala Arg Pro Thr Ser Pro Phe Ala  
1 5 10

<210> 9529  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9529

Gln Asp Pro Pro Pro Glu Pro Ala Pro Arg Pro Leu Pro Arg  
 1 5 10

&lt;210&gt; 9530

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9530

Asp Pro Pro Pro Glu Pro Ala Pro Arg Pro Leu Pro Arg Pro  
 1 5 10

&lt;210&gt; 9531

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9531

Val Pro Pro Lys Ala Ser Arg Pro Arg Ser Ala Ser His Cys  
 1 5 10

&lt;210&gt; 9532

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9532

Val Val Pro Pro Glu Pro Gly Pro Ala Ser Ser Pro Ser Pro  
 1 5 10

&lt;210&gt; 9533

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9533

Arg Glu Gly Glu Ser Pro Ala Gln Gly Pro Leu Pro Arg Ser  
 1 5 10

&lt;210&gt; 9534

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9534

Val	Gln	Cys	Leu	Pro	Ser	Arg	Gly	Leu	Gln	Arg	Gly	Arg	Glu
1				5					10				

<210> 9535

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9535

Asn	Arg	Arg	Pro	Cys	Phe	Ser	Ala	Trp	Trp	Trp	Met	Lys	His
1				5						10			

<210> 9536

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9536

Thr	Met	Lys	Gln	Glu	Phe	Pro	His
1				5			

<210> 9537

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9537

Gly	Leu	Leu	Glu	Lys	Cys	Ser	Lys	Ala	Arg	Asn	Arg	Lys	Ser
1				5						10			

<210> 9538

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9538



Leu Pro Ala Glu Thr Arg Gln  
1 5

<210> 9539  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9539  
Tyr Gln Leu Arg Ala Cys Pro Ala Ile Ser Leu Ile Phe Pro  
1 5 10

<210> 9540  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9540  
Glu Ser Pro Pro Pro Leu Ala Leu Arg Pro Arg Thr Arg Gln  
1 5 10

<210> 9541  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9541  
Glu Arg Tyr Ser Gln Lys Glu Gln Gly Met Glu  
1 5 10

<210> 9542  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9542  
Ser Gln Gln Ala Thr Pro Lys Thr Thr Arg  
1 5 10

<210> 9543  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9543  
Val Asn Ser Phe Gly Pro Ser Leu Ser Leu Thr Val Leu Cys  
1 5 10

<210> 9544  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9544  
Leu Trp Pro Arg Ala Gly Leu Leu Pro Lys Gly Cys Gly Ala  
1 5 10

<210> 9545  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9545  
Arg Ala Arg Asp Lys Ala Leu Leu Val Ala Asn  
1 5 10

<210> 9546  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9546  
Lys Thr Pro Gln Met Gly Asp Pro Pro Ala Trp Ser Pro Arg  
1 5 10

<210> 9547  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9547  
Lys Glu Ser Ser Glu Glu Leu Pro Gln Lys Arg Ala Arg Thr  
1 5 10

<210> 9548  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9548  
His Cys Val Ala Ile Tyr Thr Leu Lys Gly Pro Ala Arg Ala  
1 5 10

<210> 9549  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9549  
Gly Ile Gln Ser Asp Pro Gln Pro Trp Ala Ala Ser Ala Gly  
1 5 10

<210> 9550  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9550  
Gly Val Pro Arg Pro Gln Trp Cys Pro Ser Leu Val Pro  
1 5 10

<210> 9551  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9551  
Gly Leu Asn Arg Asn Gln Ala  
1 5

<210> 9552  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (9)...(0)  
 <223> cSNP translation

<400> 9552  
 Leu Ser Leu Pro Gly Tyr Arg Pro Pro Leu Ala Val Leu Leu  
 1 5 10

<210> 9553  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9553  
 Gly Asn Glu Ile Tyr Arg Lys Ala Pro Ser Pro Ser Leu Arg  
 1 5 10

<210> 9554  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9554  
 Tyr Gln Arg Arg Gly Tyr Gly Ser Cys  
 1 5

<210> 9555  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9555  
 Glu Asn Gln Leu Glu Gln Phe Val Arg Ser Leu Cys  
 1 5 10

<210> 9556  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9556  
 Lys Lys Ala Ile Gln Thr Leu Ser Ala Lys Ile Lys Arg Gln  
 1 5 10

<210> 9557

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9557  
Gly Val Leu Glu His His Thr Thr Ala Pro Cys Ser Ser His  
1 5 10

<210> 9558  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9558  
Ile Phe His Gln Pro Met Glu Val Val Leu Trp Ile Phe Leu  
1 5 10

<210> 9559  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9559  
Asp Trp Lys Ala Gly Ala Gly Gln Ala Gly Leu Pro Lys Ser  
1 5 10

<210> 9560  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9560  
Gln Arg Asn Arg Leu Arg Trp Arg Arg Thr Asn Arg Pro Trp  
1 5 10

<210> 9561  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9561  
Asp Lys Pro Ala Val Glu Arg Ala Trp Arg Ser Trp Ser Ser  
1 5 10

<210> 9562  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9562  
Tyr Met Ile Thr Gly Pro Cys Ala Ala Tyr Gly Phe Asp Leu  
1 5 10

<210> 9563  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9563  
Ser Ser Leu Ile His Gln Gly Ser  
1 5

<210> 9564  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9564  
Arg Ser His Ser Ala Gly Arg Leu Arg Ala Glu Leu Leu Ala  
1 5 10

<210> 9565  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9565  
Ser Gln Gly Ser Arg Arg Pro Gly Pro Leu Thr His Ala Gly  
1 5 10

<210> 9566  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9566

Pro Leu Arg Ala Gly Ser Ala Lys Pro Arg Lys Pro Gln Ala  
1 5 10

<210> 9567

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9567

Pro Asp Gly Ala Thr Val His Pro Gln Gln Gln Met Arg Pro  
1 5 10

<210> 9568

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9568

Trp Cys Trp Gly Trp Pro Cys Ala Trp Val Val Ala Ser Pro  
1 5 10

<210> 9569

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9569

Arg Arg Ala Arg Arg Ala Pro Leu Glu Gln Ile Ser Trp Ile  
1 5 10

<210> 9570

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9570

Arg Ala Arg Arg Ala Arg Trp Glu Gln Ile Ser Trp Ile Gly  
 1 5 10

<210> 9571  
 <211> 2  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9571  
 Arg Gly  
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<210> 9572  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9572  
 Phe Pro Ala Leu Gly Glu Ala Ala Val Met Met Ile Ser Phe  
 1 5 10

<210> 9573  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9573  
 Leu Asp Ser Pro Thr Ser Ala Arg Arg Arg Arg Pro Pro Ala  
 1 5 10

<210> 9574  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9574  
 Ala Pro Gly Ala Pro Cys Arg Pro Ala Arg Arg Pro Arg Ala  
 1 5 10

<210> 9575  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens



<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9575  
Ser Pro Ser Leu Asp Pro Ala Ala Ala Cys Gln Ser Ser Ala  
1 5 10

<210> 9576  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9576  
Thr Ala Ala Leu Gly Lys Ala Thr Asp Arg Cys Pro Leu Leu  
1 5 10

<210> 9577  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9577  
Glu Lys Glu Gly Gln Glu Gly His Leu Leu Thr Thr Pro Asp  
1 5 10

<210> 9578  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9578  
Asn Met Ser Gly His Lys Cys Leu Ser Leu Gly Leu Thr Gly  
1 5 10

<210> 9579  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9579  
Gln Leu Gly Met Leu Gln Lys His Ser Val Ala Leu Ile Phe  
1 5 10

<210> 9580  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9580  
Leu Leu Leu Leu Leu Leu Leu Arg Pro Ala Gln Pro Gln Leu  
1 5 10

<210> 9581  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9581  
Lys Leu Thr Val Arg Val Ser Gly Arg His Pro Lys Glu Glu  
1 5 10

<210> 9582  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9582  
Ile Tyr His Ser Asp Ile Val Ser Pro Cys His Arg Ile Cys  
1 5 10

<210> 9583  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9583  
Glu Arg Lys Phe Asp Lys Trp Arg Ser Arg Arg Leu  
1 5 10

<210> 9584  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9584  
Glu Lys Lys Val Ala Glu Ala Thr Arg Ser Ile Ser Pro Ala  
1 5 10

<210> 9585  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9585  
Val Lys Glu Leu Gly Asn Ser Trp Thr Ser Ala Arg Thr Met  
1 5 10

<210> 9586  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9586  
Ala Thr Ser Leu Pro Ala Val Gln Thr His Ser Lys  
1 5 10

<210> 9587  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9587  
Phe Gly Lys Glu Pro Leu Ala Gln Pro Leu Pro Met Ser Ser  
1 5 10

<210> 9588  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9588  
Phe Gly Lys Glu Pro Leu Ala Gln Pro Leu Pro Met Ser Ser  
1 5 10

<210> 9589

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9589  
Arg Pro Thr Val Thr Ala Ser Ala Ala Val Thr Ser Leu  
1 5 10

<210> 9590  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9590  
Gln Ser Ser Asp Pro Glu Gln Cys Asp Arg Val Cys  
1 5 10

<210> 9591  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9591  
Arg Ser Gly Glu Ala Ala Ala Asn  
1 5

<210> 9592  
<211> 1  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9592  
Leu  
1

<210> 9593  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 9593

Leu Arg Ala Leu Thr Ala Ser Ser Lys Ser Ser Gly Thr Glu  
1 5 10

&lt;210&gt; 9594

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9594

Asp Cys Gly Arg Pro Arg Arg Gly Pro Glu Glu Thr Gly  
1 5 10

&lt;210&gt; 9595

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9595

Gly Arg Pro Arg Ala Arg Pro Glu Glu Thr Gly  
1 5 10

&lt;210&gt; 9596

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9596

Val Val Asp Leu Leu Ala Gln Thr Pro Thr Ser Cys Ala Ala  
1 5 10

&lt;210&gt; 9597

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9597

Val Asp Leu Leu Ala Gln Thr Pro Thr Ser Cys Ala Ala Ala  
1 5 10

&lt;210&gt; 9598

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9598

Asp Leu Leu Ala Gln Asp Ala Thr Ser Cys Ala Ala Ala Arg  
1 5 10

<210> 9599

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9599

Thr Gly Ala Met Ala Phe Ala Arg Pro Thr Arg Arg His Pro  
1 5 10

<210> 9600

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9600

Cys Ser Pro Leu Ala Gly Arg Arg Ala Gly Pro Ser Ser Trp  
1 5 10

<210> 9601

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9601

Leu His Asp Arg Ser Phe Thr Thr Gln Gly Thr Ala Arg Arg  
1 5 10

<210> 9602

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (13)...(0)

<223> cSNP translation

<400> 9602

Arg Asp Gly Arg Gly Ile Arg Trp Ala Arg His Arg Leu Pro Pro Phe Pro  
 1 5 10 15  
 Arg Leu Asp  
 20

<210> 9603  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (13)...(0)  
 <223> cSNP translation

<400> 9603  
 Ser His Lys Thr Arg Asn Arg Thr Arg Pro Ala Thr Ser Thr Gly Arg Gly  
 1 5 10 15  
 Asp Pro Ala  
 20

<210> 9604  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9604  
 Thr Arg Pro Ala Thr Arg Arg Thr Arg Gly Ser Cys Pro Arg  
 1 5 10

<210> 9605  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9605  
 Thr Arg Pro Ala Thr Arg Arg Thr Arg Gly Ser Cys Pro Arg  
 1 5 10

<210> 9606  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9606  
 Leu Arg Gly Arg Met Val Arg Thr  
 1 5

<210> 9607

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9607  
Thr Asp Gly Ser Leu Gln Thr Arg Thr Gly Pro Ser Thr Trp  
1 5 10

<210> 9608  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9608  
Val Leu Thr Lys Pro Leu Glu Pro Arg Leu Leu Ser Met Pro  
1 5 10

<210> 9609  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9609  
Ala Gln Ser Val Gly Arg Ala Ser Trp Ser Thr Thr Lys Ser  
1 5 10

<210> 9610  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9610  
Lys Glu Glu Val Ser Arg Gln Ser  
1 5

<210> 9611  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation



&lt;400&gt; 9611

Ala Lys Phe His His Ser Ile Ala Phe Gln Pro Gly Tyr Phe  
1 5 10

&lt;210&gt; 9612

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9612

Arg Phe Arg Gly Pro Asp Trp Cys Ala Ala Trp  
1 5 10

&lt;210&gt; 9613

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9613

Lys Ala Arg Asp Cys Trp Ala Pro Ser Ser Ser Pro Gly Val  
1 5 10

&lt;210&gt; 9614

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9614

Leu Glu Glu Ile Arg Gln Arg Phe Trp Gln Lys Gly Ile Gln  
1 5 10

&lt;210&gt; 9615

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9615

Thr Leu Lys Ser Leu Leu Ala Pro Thr Phe Ser Thr Arg Leu  
1 5 10

&lt;210&gt; 9616

&lt;211&gt; 8

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9616

Phe Tyr Lys Val Cys Val Thr Trp  
1 5

<210> 9617

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9617

Arg Ile Leu Ala Met Lys Ala Arg Ser Ala Ser Cys Arg Pro  
1 5 10

<210> 9618

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9618

Thr Val Gln Leu Trp Pro Gly  
1 5

<210> 9619

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9619

Thr Val Gln Leu Trp Pro Gly  
1 5

<210> 9620

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9620

Thr Cys Ala Ala Pro Arg Gly Pro Arg Ser Pro Gly Ser Gln  
1 5 10

<210> 9621  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9621  
Val Lys Thr Val Cys Asp Ala Gln Arg Arg Glu  
1 5 10

<210> 9622  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9622  
Gln Leu Pro Ala Gln Gly Pro Ala Pro Arg Arg Pro His His  
1 5 10

<210> 9623  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9623  
Ser Leu Glu Asp Leu Gly Ala  
1 5

<210> 9624  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9624  
Pro Glu Arg Gly Phe Leu His Gln Leu Gln Lys Asn Met Ala  
1 5 10

<210> 9625  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9625  
Ala Trp Asn Ile Ala Pro Gln Asp Phe Arg Glu Val Leu Leu  
1 5 10

<210> 9626  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9626  
Pro Met Asp Leu Arg Asp Arg Ser Arg Lys Cys Ala Arg Trp  
1 5 10

<210> 9627  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9627  
Asp Leu Gln Val Gln Asn Glu Trp Ile Asn  
1 5 10

<210> 9628  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9628  
Leu Ser His Arg Phe Lys Ala Val Pro Gln Gln Val Gln  
1 5 10

<210> 9629  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9629  
Leu Ser His Arg Phe Lys Ala Val Pro Gln Gln Val Gln  
1 5 10

<210> 9630  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9630  
Ala Thr Phe Val Glu Leu His Gly Thr Ser Pro Phe Tyr Gly  
1 5 10

<210> 9631  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9631  
Glu Leu Leu Ala Lys Ala Glu Arg Thr Arg Gln Arg Ser Cys  
1 5 10

<210> 9632  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9632  
Asn Pro Tyr Tyr Asn Glu Val Ser Ala Ser Arg Cys Pro Val  
1 5 10

<210> 9633  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9633  
Arg Asn Ala Ala Glu Glu  
1 5

<210> 9634  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9634

Leu Val Glu His Tyr Lys Arg His Gln Phe Leu Gln Val Asn  
1 5 10

<210> 9635

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9635

Val Asn Gly Ala Gly Leu Ala Trp Leu Leu Val Ile Ser Phe  
1 5 10

<210> 9636

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9636

His Gly Asp Thr Leu Tyr Val Gly Pro Pro Ala Ile Pro Ser  
1 5 10

<210> 9637

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9637

Glu Glu Phe Gly Ala Glu Pro Ser Trp Pro Cys Gln Arg Arg  
1 5 10

<210> 9638

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9638

Ala Arg Arg Ala Phe Arg Glu Ser Ser Gly Pro Ser Pro Ser  
1 5 10

<210> 9639

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9639  
Glu Leu Leu Ala Glu Ala Gly Glu Pro Ser Gly Arg Ser Ser  
1 5 10

<210> 9640  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9640  
Gly Asp Tyr Arg Ala Phe Gly Ala Ser Trp Trp Arg Ala Thr  
1 5 10

<210> 9641  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9641  
Arg Ala Leu Gly Lys Glu Ser Ser Gly Arg Tyr Asn Trp Lys  
1 5 10

<210> 9642  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9642  
Ser Ser Glu Tyr Pro Val Arg Gly Ala Asn Val Lys Lys Trp  
1 5 10

<210> 9643  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9643

Ser Ser Glu Tyr Pro Val Arg Gly Ala Asn Val Lys Lys Trp  
1 5 10

&lt;210&gt; 9644

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9644

Cys Ala His Leu Leu Gly Leu Thr Ala Cys Arg Ser Gln Leu  
1 5 10

&lt;210&gt; 9645

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9645

Thr Gln Val Gly Pro Gly Leu Lys Ser Trp Met Thr Pro Ala  
1 5 10

&lt;210&gt; 9646

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9646

Ile Ile Val Thr Gln Val Gly Gln Gly Leu Lys Ser Trp Met  
1 5 10

&lt;210&gt; 9647

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9647

Tyr Ile Ile Val Thr Gln Val Gly Gln Gly Leu Lys Ser Trp  
1 5 10

&lt;210&gt; 9648

&lt;211&gt; 14

&lt;212&gt; PRT



<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9648

Pro Gln Phe Trp Ser Lys Ser Arg Phe Trp Thr Gly Ser Ala  
1 5 10

<210> 9649

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9649

Met Ala Ala Val Ser Lys Ala Ala Glu Thr Cys Ser Ala Ser  
1 5 10

<210> 9650

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9650

Ala Val Met Pro Arg Leu Gly Leu Glu Trp Ile Leu Val Ser  
1 5 10

<210> 9651

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9651

Val Gln Pro Ser Gly Pro Glu Thr Met Trp Ser Ser Ser Thr  
1 5 10

<210> 9652

<211> 14

<212> PRT

<213> Homo sapiens

<220>

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<222> (8)...(0)

<223> cSNP translation

<400> 9652

Thr Ala Thr Asp Ser Leu Pro Glu Leu Arg Ser Pro Thr Gly  
 1 5 10

<210> 9653  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (8)...(0)  
 <223> cSNP translation

<400> 9653  
 Thr Ala Thr Asp Ser Leu Pro Glu Leu Arg Ser Pro Thr Gly  
 1 5 10

<210> 9654  
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 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9654  
 Lys Gly Asn Thr Leu Tyr Asp Ile Trp Arg Arg His Asp Thr  
 1 5 10

<210> 9655  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (8)...(0)  
 <223> cSNP translation

<400> 9655  
 Lys Arg Lys Cys Pro Gly Pro  
 1 5

<210> 9656  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9656  
 Val Ser Ala Gly Pro Val Gln Arg Arg Pro Thr Thr Ser Lys  
 1 5 10

<210> 9657  
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 <212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9657  
Ile Pro Arg Val Arg Arg Leu Cys Tyr Pro Lys Lys Arg Lys  
1 5 10

<210> 9658  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9658  
Val Val Ala Gln Gly Val Ala Ser Leu Arg Thr Pro Ser Ser  
1 5 10

<210> 9659  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9659  
Lys Leu Tyr Gly Arg Ala Arg Ser  
1 5

<210> 9660  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9660  
Ala Leu Gln His Asn Glu Phe Phe Gly Thr Lys Leu Leu Pro  
1 5 10

<210> 9661  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9661  
Lys Met Ala Asp Ser Gly Val Ser Pro Ser  
1 5 10

<210> 9662  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9662  
Ala Asp Asp Val Glu Ala Leu Leu Leu Thr Pro  
1 5 10

<210> 9663  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (9)...(0)  
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<400> 9663  
Leu Thr Asn Phe Thr Asp Ile Pro Leu Val Glu  
1 5 10

<210> 9664  
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<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9664  
Phe Asp Asp Leu Ser Arg Ser Leu Lys Ser  
1 5 10

<210> 9665  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9665  
Glu Glu Arg Met Gly Gly Arg Ala Ala Arg Ala Ala Thr Thr  
1 5 10

<210> 9666  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9666

Gln Phe Leu Ala Pro Lys Ala His Glu Glu Asp Val Gln Gly  
1 5 10

<210> 9667

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9667

Thr Tyr Leu Ala Gln Val Asp Pro Gln Arg Leu Leu Thr Gln  
1 5 10

<210> 9668

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9668

Lys Val His Val Ala Glu Thr Val Trp Lys Lys Gln Val Ala  
1 5 10

<210> 9669

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9669

His Lys Ser Ser Ser Ser Tyr Leu Pro Pro Pro Pro Pro Leu  
1 5 10

<210> 9670

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9670

Gln Glu Tyr Val Ala Ser Ala Gly  
1 5

<210> 9671

<211> 7  
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<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9671  
 Gly Arg Asn Leu Thr Ala Asn  
 1 5

<210> 9672  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9672  
 Leu Ile Ala Glu Met Arg Asn Gln Trp Val Cys Thr Glu Thr  
 1 5 10

<210> 9673  
 <211> 14  
 <212> PRT  
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<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9673  
 Leu Phe Gly Leu Ser Gly Ser Gln Cys Lys Phe Gly Ser His  
 1 5 10

<210> 9674  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9674  
 Cys Ile Lys Cys His Lys Trp Val Met Ser Thr Gln Ile Glu  
 1 5 10

<210> 9675  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

&lt;400&gt; 9675

Arg Lys Arg Ala Gln Arg Thr Ser Trp  
1 5

&lt;210&gt; 9676

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9676

Asn Asn Lys Glu Lys Lys Thr Thr Lys Glu Glu Lys Lys Glu  
1 5 10

&lt;210&gt; 9677

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9677

Gln Pro Leu Ala Pro Ser Gly Ser Arg  
1 5

&lt;210&gt; 9678

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9678

Leu Leu Val Ser Gly Pro Arg Cys Ser Cys Cys Ser Ser Pro  
1 5 10

&lt;210&gt; 9679

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9679

Ala Leu Gly His Gln Gly Ala Ala Gly Ser Lys Glu Ser Ser  
1 5 10

&lt;210&gt; 9680

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9680

Ala Ala Asp Tyr Gln Pro Leu Ser Arg Thr Ser Ser Glu Pro  
1 5 10

<210> 9681

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9681

Pro Phe Arg Ile Gly Asn Ala Lys Glu Met Met Leu  
1 5 10

<210> 9682

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9682

Arg Thr Met Asp Ala Pro Ser Arg Trp Ser Thr Leu Gly Leu  
1 5 10

<210> 9683

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9683

Asn Leu Val Asn Leu Arg Asp Cys Thr Leu Ala Thr Met Ala  
1 5 10

<210> 9684

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9684



Ile Glu Glu Gly Thr Met Pro Arg Arg Cys Arg Thr Ser Ser  
1 5 10

<210> 9685

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9685

Ala Ile Gly Glu Pro Met Ala Ser Gly Val Arg Glu Thr His  
1 5 10

<210> 9686

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9686

Glu Ser Val Asp Pro Val Gly Ser Gln His  
1 5 10

<210> 9687

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9687

Gly Pro Asp Tyr Phe Arg Ser Arg Pro Ser Pro Thr Pro Arg  
1 5 10

<210> 9688

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9688

Ala Arg Gly Leu Pro Arg Thr Gly Thr Ala Glu Ser Thr Trp  
1 5 10

<210> 9689

<211> 14

<212> PRT

<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9689  
Phe Ser Glu Ser Gly Arg Cys Ala Thr Gly Pro Ser Ala Ser  
1 5 10

<210> 9690  
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<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9690  
Gly Arg Arg Pro Glu Trp Ser  
1 5

<210> 9691  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9691  
His His Gly Ala Glu Asp Ala Arg Met Pro Ser Val Pro Ser  
1 5 10

<210> 9692  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9692  
Ala Leu Ala Glu Arg Ala Pro  
1 5

<210> 9693  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
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<400> 9693  
Pro Val Ile Gly Lys Arg Gln Lys Gly Ser Ser Ser Thr Pro  
1 5 10

<210> 9694  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9694  
Ile Cys Thr Arg Thr Val Ser Thr Arg Thr Pro Arg  
1 5 10

<210> 9695  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9695  
Glu Leu Leu Phe Pro Glu Ser Ser Ala Ser Ser Pro Ile Arg  
1 5 10

<210> 9696  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
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<400> 9696  
Glu Leu Leu Phe Pro Glu Ser Ser Ala Ser Ser Pro Ile Arg  
1 5 10

<210> 9697  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
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<400> 9697  
Leu Pro Gln Leu Pro Arg Glu Cys His Arg His Ile Gln Met  
1 5 10

<210> 9698  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9698

Glu Ser Leu Arg Pro Arg His Gly  
1 5

<210> 9699

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9699

Pro Glu Glu Ser Leu Arg Pro Gly His Gly  
1 5 10

<210> 9700

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9700

Ser Ala Gln Gly Pro Pro Gly Arg Gln Arg Arg Trp Ser Cys  
1 5 10

<210> 9701

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9701

Gln Glu Lys Gly Trp Val Leu Asp Leu Val Leu Pro Ser Trp  
1 5 10

<210> 9702

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9702

Glu Lys Gly Trp Val Leu Asp Leu Val Leu Pro Ser Trp Pro  
1 5 10

<210> 9703

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9703  
Ile Tyr Pro Cys Arg Trp Ser Ala Arg Pro Cys Ala Thr Arg  
1 5 10

<210> 9704  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9704  
Pro Ala Asp Leu Arg Leu Cys Thr Thr Trp Ala Thr Arg Arg  
1 5 10

<210> 9705  
<211> 12  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9705  
Leu Leu Ala Val Gly Ser Ala Ala Ser Thr Thr Thr  
1 5 10

<210> 9706  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9706  
Glu Gly Gly Arg Arg Gly Ala Pro Trp Ala Cys Cys Trp Arg  
1 5 10

<210> 9707  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9707

Ile Cys Phe Cys Leu Leu Gly Ser Pro Val Pro Tyr Gln Leu  
1 5 10

&lt;210&gt; 9708

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9708

Gly Thr Thr Gly Gly Arg Arg Ser Gln Arg Leu  
1 5 10

&lt;210&gt; 9709

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9709

Gln Asp Asp Val Arg Asp Ala Trp Pro Gln Thr Ala Leu Pro  
1 5 10

&lt;210&gt; 9710

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9710

Leu Gly Ala Val Leu Leu Val Pro Ser Pro Ser  
1 5 10

&lt;210&gt; 9711

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9711

Ser Ser Asn Gly Arg Met Glu Gly His Pro Pro His Thr Ala  
1 5 10

&lt;210&gt; 9712

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9712

His Val Leu Gly Arg Ala Ser Ile Trp Ser Glu Phe Gln Pro  
1 5 10

<210> 9713

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9713

Arg Met Leu Glu Lys Arg Arg Trp Thr Glu Arg Ser Thr Arg  
1 5 10

<210> 9714

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9714

Gln Thr Glu Asp Pro Ala Asp Ser Cys Trp Arg Ile Met Thr  
1 5 10

<210> 9715

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9715

Leu Pro Leu Leu Ala Thr Ala Pro Val Ser Val Cys Phe Leu  
1 5 10

<210> 9716

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9716

Leu Pro Leu Leu Ala Thr Ala Pro Val Ser Val Cys Phe Leu  
1 5 10

<210> 9717  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9717  
Gly Ala Glu Pro Ile Phe Leu Met Pro Thr Ser Arg Ala Gln  
1 5 10

<210> 9718  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9718  
Glu Thr Arg Gln Pro Phe Val Pro  
1 5

<210> 9719  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9719  
Met Val Thr Thr Ile Gln  
1 5

<210> 9720  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9720  
Pro Met Val Thr Thr Ile Gln  
1 5

<210> 9721  
<211> 14  
<212> PRT  
<213> Homo sapiens



<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9721  
Glu Glu Lys Arg Ala Arg Gly Trp Pro Arg Arg Arg Pro Arg  
1 5 10

<210> 9722  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9722  
Gly Arg Asn Arg Ala Glu Ala Leu Trp Ser Glu Leu Arg Ile  
1 5 10

<210> 9723  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9723  
Gly Ala Pro Leu Gln Gly Arg Trp  
1 5

<210> 9724  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9724  
Arg Leu Lys Val Gln Lys Thr Leu His Leu Val Lys Lys Gly  
1 5 10

<210> 9725  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9725  
Phe Thr Pro Asn Arg Asp Lys Lys Leu Thr Met Thr Pro Glu  
1 5 10

<210> 9726  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9726  
Asn Thr Ser Gly Ser Ala Arg Ser Ser Trp Val Thr Gln Thr  
1 5 10

<210> 9727  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9727  
Leu Leu Ala Ile Leu Thr Leu Gln  
1 5

<210> 9728  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9728  
Ser Gly Val Asn Lys Cys Gln Leu Gly Leu Ser Ala Ala Pro  
1 5 10

<210> 9729  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9729  
Thr Ser Gly Val Asn Lys Cys Gln Leu Gly Leu Ser Ala Ala  
1 5 10

<210> 9730  
<211> 20  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (13)...(0)  
<223> cSNP translation

<400> 9730  
Ser His Val Val Leu Ser Ala Thr Trp Cys Ser Ala Leu Val Gly Ala Ala  
1 5 10 15  
Tyr His Pro  
20

<210> 9731  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> cSNP translation

<400> 9731  
Arg Leu Lys Gly Leu Gly Arg Leu Ser Leu Thr Val Thr Thr  
1 5 10

<210> 9732  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9732  
Leu Lys Met Ala Pro Trp Pro Val Ala Pro Val Ser Trp Thr  
1 5 10

<210> 9733  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9733  
Tyr Phe Arg Leu Ser Thr Phe Glu Met Gln Glu Val Pro Thr  
1 5 10

<210> 9734  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (10)...(0)  
<223> cSNP translation

<400> 9734  
Lys Ala Ser Met Ala Ser Leu Lys Lys Asn Asn Ile Pro Asn  
1 5 10

<210> 9735  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9735  
Met Ala Ser Leu Lys Lys Asn Asn Ile Pro Asn Lys Ile Arg  
1 5 10

<210> 9736  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9736  
Gln Arg Ser Gly Lys Lys Gln Ala Ala Asn Thr Ser Leu Ser  
1 5 10

<210> 9737  
<211> 14  
<212> PRT  
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<220>  
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<222> (7)...(0)  
<223> cSNP translation

<400> 9737  
Ile Met Leu Cys Arg Lys His Pro Asn Lys Ser Met Ser Thr  
1 5 10

<210> 9738  
<211> 14  
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<220>  
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<222> (8)...(0)  
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<400> 9738  
Ile Gln Tyr Pro Gly Val Ala Arg Ala Ser Thr Val Met Ser  
1 5 10

<210> 9739  
<211> 14  
<212> PRT  
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<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9739  
Gly Ser Arg His Arg Ser Ala Gly Asp Arg Ala Gln Glu Arg  
1 5 10

<210> 9740  
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<212> PRT  
<213> Homo sapiens

<220>  
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<223> cSNP translation

<400> 9740  
Ser Tyr Asp Gly Gly Ser Ala Arg Pro Ser  
1 5 10

<210> 9741  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9741  
Ser Ser Leu Cys Gly Lys Arg Val Ala Ser Gly Arg Asn His  
1 5 10

<210> 9742  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9742  
Arg Glu Glu Gly Lys Glu Arg Ala Thr Ile Ala Gly Arg Ser  
1 5 10

<210> 9743  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<223> cSNP translation

<400> 9743  
Ser Lys Leu Val Pro Val Ala Thr Val Ser Gly Ser Tyr Arg  
1 5 10

<210> 9744

<211> 14  
<212> PRT  
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<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9744  
Ser Ser Pro Gly His Arg Ala Arg Pro His Arg Pro Ser Thr  
1 5 10

<210> 9745  
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<212> PRT  
<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9745  
Val Ala Gly Ala Ser Arg Gln Arg Thr Ala Pro Ala  
1 5 10

<210> 9746  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9746  
Ser Ala Gly Thr Gly Ser Ala Ser Cys Leu Ile Ser Ile Met  
1 5 10

<210> 9747  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9747  
Cys Pro Ser Thr His Ser Arg Ser Phe Met Ile Val Ser Lys  
1 5 10

<210> 9748  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9748  
Val Asp Gly Leu Glu Lys Ala Ser Thr Arg Ala Gln Ala Ala  
1 5 10

<210> 9749  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9749  
Arg Ala Gln His Ile Val Pro Val Leu Tyr Leu Ser Cys Phe  
1 5 10

<210> 9750  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9750  
Tyr Thr Gln Ser Pro Gly Ala Leu Asp Arg Pro His Leu Leu  
1 5 10

<210> 9751  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9751  
Ile Gln Asp Ser Cys Leu Leu Ser Ala His Pro Thr Trp Gly  
1 5 10

<210> 9752  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9752  
Thr His Ile Leu Ala Leu Asp Pro Gly Ser  
1 5 10

<210> 9753  
<211> 14  
<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9753

Asn	Pro	Pro	His	Ala	Ala	Arg	His	Arg	Glu	Pro	Gly	Ala	Cys
1				5					10				

<210> 9754

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9754

Pro	His	Ala	Ala	Pro	Thr	Gly	Ala	Arg	Ser	Leu	Cys	Ala	Gly
1				5					10				

<210> 9755

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9755

Thr	Ser	Ala	Ala	Ser	Ala	Ala	Gln	Gln	Ala	Ser	Gly	Ser	Ser
1				5					10				

<210> 9756

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9756

Pro	Val	Met	Ser	Ala	Phe	Ala	Ser	Pro	Gly	Pro	Thr	Cys	Leu
1				5					10				

<210> 9757

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9757



Thr Phe Tyr Ser Glu Val Asn Lys  
1 5

<210> 9758  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9758  
Gly Thr Ser Gly Gly Gly Gly Ala Pro Arg Lys His Leu  
1 5 10

<210> 9759  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9759  
Leu Leu Cys Leu Gln Lys Ile Trp  
1 5

<210> 9760  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9760  
Thr Ser Ile Val Met Pro Pro  
1 5

<210> 9761  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9761  
Glu Asn His Ile Leu Lys Ser Ser Arg Ala Thr Trp Cys Pro  
1 5 10

<210> 9762  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9762  
Pro Met Asp Leu Ala Val Ala Trp Asp Thr Gly Lys Cys Asn  
1 5 10

<210> 9763  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9763  
Val Phe Pro Leu His Arg Arg Gln Leu Pro Glu Ala Leu His  
1 5 10

<210> 9764  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9764  
Glu Val Asp Arg Gln Gly Pro Thr Leu Leu Ala Thr Ser Pro  
1 5 10

<210> 9765  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9765  
Arg Leu Arg Lys Gly Leu Ala Pro Val Ala Gly Arg Ile Ser  
1 5 10

<210> 9766  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9766  
Val Val Pro Gly Pro Ala Asp Ile Pro Cys Ser Thr Thr Thr  
1 5 10

<210> 9767  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9767  
Ser Tyr Asp Glu Ala Ile Ala Ile Cys Ser Glu Leu Thr Ala  
1 5 10

<210> 9768  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9768  
Leu Tyr Leu Arg Arg Asn Arg Ser Pro Ala Trp Leu Ser Ser  
1 5 10

<210> 9769  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9769  
Ser Glu Glu Glu Ala Thr Thr Ala Pro Arg Met Asn Val Ala  
1 5 10

<210> 9770  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9770  
Thr Leu Gly Val Gly Ser Leu Trp Arg Ala Leu Trp Glu Asn  
1 5 10

<210> 9771  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
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<222> (7)...(0)

<223> cSNP translation

<400> 9771

Ala Lys Ser Arg Gln Arg Asn Thr Glu Ser Asp Ala Ser Leu  
1 5 10

<210> 9772

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9772

Leu Glu Gly Gln Gly Asp Val Leu Arg Gln Asn Asn Ser  
1 5 10

<210> 9773

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9773

Gln Lys Arg Pro Pro Arg Cys Ser Lys Met Pro Ser Pro Ser  
1 5 10

<210> 9774

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9774

Cys Gly Gly Lys Met Ala Gly Cys Ala Cys Ser  
1 5 10

<210> 9775

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9775

Ala Gln Ser Thr Leu Asp Pro Arg Pro Gln Lys Pro Arg Ala  
1 5 10

<210> 9776

<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9776  
Gly Leu Leu Thr Met Val Phe Ser Gly  
1 5

<210> 9777  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9777  
Phe Ser Val Thr Gly Trp Asn Leu Ala Gly Pro Leu Val Gln  
1 5 10

<210> 9778  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9778  
Leu Leu Leu Arg Leu Leu Pro Lys Thr Arg Ala Lys Val Leu  
1 5 10

<210> 9779  
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<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9779  
Ser Leu Leu Leu Arg Leu Leu Pro Lys Thr Arg Ala Lys Val  
1 5 10

<210> 9780  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

&lt;400&gt; 9780

Tyr Thr Pro Val Cys Arg Val Cys Thr Pro Cys Phe Cys Val  
1 5 10

&lt;210&gt; 9781

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9781

Tyr Asp Tyr Leu His Leu Ser Ala Trp Ala Thr His Leu Phe  
1 5 10

&lt;210&gt; 9782

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9782

Gln Ala Arg Val Val Val Leu Ala Cys Phe Arg Glu Ala Asn  
1 5 10

&lt;210&gt; 9783

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9783

Val Asn Pro Gly Gly Trp His Gln Pro Gln Cys  
1 5 10

&lt;210&gt; 9784

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9784

Ser Pro Leu Ala Glu Arg His Tyr Arg Cys Ser Gly Ser Leu  
1 5 10

&lt;210&gt; 9785

&lt;211&gt; 10

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9785

His	Gln	Asp	Arg	Ala	Phe	Ala	Leu	His	Ala
1				5					10

<210> 9786

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9786

Leu	Ser	Thr	Ile	Gln	Lys	Leu	His	Gly	Cys
1				5					10

<210> 9787

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9787

Pro	Ser	Gly	Lys	Gly	Arg	Ala	Cys	Ser	Thr	Pro	His	Gln
1				5								10

<210> 9788

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9788

Glu	Lys	Pro	Glu	Glu	Gln	Gly	Gln	Ser	Leu	Cys	Pro	Ser	Pro
1				5									10

<210> 9789

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9789

Leu Gly Tyr Val Arg Gly Ser Val Cys Val  
1 5 10

<210> 9790  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9790  
Gln Lys Ile Leu Gly Leu Ala Leu His Glu Pro Pro Pro Ser  
1 5 10

<210> 9791  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9791  
Cys Lys Glu His Gly Phe Ala Asp Gly Leu Lys Pro Leu Gln  
1 5 10

<210> 9792  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9792  
Ala Leu Glu Asp Leu Glu Thr Ala Asp Ser Gln Glu Phe  
1 5 10

<210> 9793  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9793  
Asp Gln Leu Lys Pro Gly Glu Asp  
1 5

<210> 9794  
<211> 14  
<212> PRT  
<213> Homo sapiens



<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9794  
Cys Ala Phe Ile Gln Phe Pro His Gly Arg Leu Gln Lys Trp  
1 5 10

<210> 9795  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9795  
Ala Ala Leu Ser Ala Pro Cys Arg Pro Pro Ala His Arg Leu  
1 5 10

<210> 9796  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9796  
His Ala Ala Leu Ser Ala Pro Cys Arg Pro Pro Ala His Arg  
1 5 10

<210> 9797  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9797  
His Asp Pro His Val Leu Leu Pro Trp Pro Ser Cys Phe Gly  
1 5 10

<210> 9798  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9798  
Asp Leu Cys Glu Glu Ala Cys Gly Thr Met Arg Thr Ser Pro  
1 5 10

<210> 9799  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9799  
Ile Glu Phe Gly Gln Arg Met Ser Arg Trp His Leu Lys Pro  
1 5 10

<210> 9800  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9800  
Pro Gly Pro Met Glu Pro Pro Val Ser Gly Pro Asp Val Pro  
1 5 10

<210> 9801  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9801  
Pro Gly Pro Met Glu Pro Pro Val Ser Gly Pro Asp Val Pro  
1 5 10

<210> 9802  
<211> 13  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9802  
Gly Leu Ser Gln Phe Cys Arg Ser Met Glu Lys Arg Ala  
1 5 10

<210> 9803  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9803

Leu Leu Cys Asn Thr Phe Tyr Val Thr Phe Leu Phe Pro Leu  
1 5 10

<210> 9804

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9804

Leu Leu Cys Asn Thr Phe  
1 5

<210> 9805

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9805

His Val Asp Cys Ala Arg Ala Arg Pro Thr Gly Ser Cys Thr  
1 5 10

<210> 9806

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9806

Ala His Ala Pro Leu Ser Ser Arg Ala Ser Trp Lys Arg Asn  
1 5 10

<210> 9807

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9807

Arg Asp Ser Ala Cys Trp Ser Gln Arg Lys Asp Glu Leu Leu  
1 5 10

<210> 9808

<211> 20  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (13)...(0)  
 <223> cSNP translation

<400> 9808  
 Arg Arg Met Leu Ala Ala Glu Gly Cys Trp Leu Pro Arg Gly Thr Glu Ala  
 1 5 10 15  
 Ser Glu Ala  
 20

<210> 9809  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9809  
 Gln Thr His Gly Pro Pro Gly Ala Pro Leu Thr Ile Arg Gly  
 1 5 10

<210> 9810  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9810  
 Ser Leu Lys Arg Ser Leu Gly Thr Cys Thr Ser Pro Leu Gly  
 1 5 10

<210> 9811  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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 <222> (7)...(0)  
 <223> cSNP translation

<400> 9811  
 Tyr Phe Pro Thr Glu Arg Ala Ser Pro Trp Cys Thr Val Pro  
 1 5 10

<210> 9812  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9812  
Asn Ala Ser Cys Val Glu Gly Ser Pro His Thr Ala Pro Arg  
1 5 10

<210> 9813  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9813  
Met Val Cys Gly Gly Phe Ala Ala Pro Arg Met Arg Phe Ala  
1 5 10

<210> 9814  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9814  
Met Val Lys Phe Pro Gly Gly Leu Gln Val Asp Gly Lys Arg  
1 5 10

<210> 9815  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9815  
Phe Gly Pro Lys Gly Phe Ala Met Ala Lys Glu Gln Gly Leu  
1 5 10

<210> 9816  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9816  
Arg Pro Glu Asp Leu Gln Asp Cys Gly Pro Gly Ala Trp Ile  
1 5 10

<210> 9817

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9817  
Ala Gly Met Ala Arg Pro Gly Pro Ala Ser Thr Lys Arg Ala  
1 5 10

<210> 9818  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9818  
Ala Ala Lys Met Pro Val Gly  
1 5

<210> 9819  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9819  
Glu Glu Arg Leu Lys Asn Cys Gly Gly  
1 5

<210> 9820  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9820  
Lys Lys Ala Glu Ala Ala Ala Gln Pro  
1 5

<210> 9821  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9821

Ala Gly Gly Lys Lys Ala Glu Pro Gln Pro Gln Pro  
1 5 10

&lt;210&gt; 9822

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9822

Leu Thr Thr Ala Ala Val Arg Trp Asn  
1 5

&lt;210&gt; 9823

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9823

Leu Pro Leu Pro Pro Ala Pro Arg Ala Pro Gln His Leu Met  
1 5 10

&lt;210&gt; 9824

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9824

Gly Asp Lys Gly Ala Arg Arg Ala Gly Ser Gln Ala Ala Ala  
1 5 10

&lt;210&gt; 9825

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9825

Thr Asp Lys Glu Asp Glu Lys Ala Lys Pro Pro Arg Glu Lys  
1 5 10

&lt;210&gt; 9826

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9826

Glu	Arg	Cys	His	Gly	Leu	Ser	Ser	Gln	Trp	Lys	Ile	Ala	Tyr
1				5					10				

<210> 9827

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9827

Arg	Cys	His	Gly	Leu	Ser	Ser	Gln	Trp	Lys	Ile	Ala	Tyr	Ile
1				5					10				

<210> 9828

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9828

Arg	Phe	His	Leu	Ala	Thr	Ala	Ser	Gly	Ser	Arg	Ser	Pro	Cys
1				5					10				

<210> 9829

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9829

Arg	Pro	Gly	Ser	Ser	Leu	Gly	Cys	Gln	Leu	Ser	His	Ile	Val
1				5					10				

<210> 9830

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9830



Pro Arg Pro Ser His Gln Ser Val Thr Thr Gly Lys Cys Ser  
1 5 10

<210> 9831  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9831  
Ala Val Leu Ser Gly Ala Pro Thr Ala Ser Gly Ser Thr Ser  
1 5 10

<210> 9832  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9832  
Arg Pro Arg Pro Gly Gln Leu Pro Ala Thr Ser Ser Met Ser  
1 5 10

<210> 9833  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9833  
Ser His Ala Glu Ala Gln Ala Pro Ser Thr Arg Tyr Thr Ala  
1 5 10

<210> 9834  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9834  
Ala Glu Leu Glu Gly Arg Gln Arg Ser Cys Cys Gly Arg Thr  
1 5 10

<210> 9835  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9835  
Tyr Leu Leu Arg Gly Tyr Arg Cys Trp Ala Arg Arg Val Arg  
1 5 10

<210> 9836  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9836  
Ala Arg Glu His Gln Leu Pro Gln Pro Gln Ser Ser Pro Trp  
1 5 10

<210> 9837  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9837  
His Asn Tyr His Lys Val Leu Pro Trp Cys Ser Pro Cys Val  
1 5 10

<210> 9838  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9838  
Arg His Leu Arg Glu Ala Ala Met Lys Pro Lys Pro Gly Leu  
1 5 10

<210> 9839  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9839  
Pro Val Val Tyr Asp Phe Ala Thr Pro Arg Lys Gln His Leu  
1 5 10

<210> 9840  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9840  
Met Pro Val Gly Thr Gln Ala Pro  
1 5

<210> 9841  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9841  
Glu Cys Arg Gly Ala Leu Arg Ser Pro Ala Tyr  
1 5 10

<210> 9842  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9842  
Arg Arg Ser Lys Gly Ile Ala Thr Trp Asn Ser Val Lys Ser  
1 5 10

<210> 9843  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9843  
Arg Arg Ser Lys Gly Ile Ala Thr Trp Asn Ser Val Lys Ser  
1 5 10

<210> 9844  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9844

Gln Met Glu Cys Ser Leu Gln Pro Ser Pro Gln Cys Leu Arg  
1 5 10

<210> 9845

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9845

Gln Met Leu Ala Asp Pro Arg Pro Ser Thr Pro Thr Pro Ser  
1 5 10

<210> 9846

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9846

Pro Ala Phe Leu Gly Met Ala  
1 5

<210> 9847

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9847

Ser Ala Pro Ser Gly Gly Thr Arg Pro Ser Trp Ala Trp Pro  
1 5 10

<210> 9848

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9848

Gly Ser Ala Pro Ser Gly Gly Thr Arg Pro Ser Trp Ala Trp  
1 5 10

<210> 9849

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9849  
Gln Met Glu Cys Ser Leu Gln Pro Ser Pro Gln Cys Leu Arg  
1 5 10

<210> 9850  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9850  
Phe Gln Met Glu Cys Ser Leu Arg Pro Ser Pro Gln Cys Leu  
1 5 10

<210> 9851  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9851  
Arg Lys Val His Asn Phe Arg Trp Asn Ala Leu Cys Arg Pro  
1 5 10

<210> 9852  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9852  
Ala Tyr Lys Pro Ala Pro Ala Pro Ala Ala Thr Ser  
1 5 10

<210> 9853  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9853

Glu Glu Arg Ala Cys Glu Gly Ala Asn Leu Pro Gln  
1 5 10

&lt;210&gt; 9854

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9854

Tyr Asp Pro Pro Met Lys Pro Thr Asp Gly Ala Met Arg Ser  
1 5 10

&lt;210&gt; 9855

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9855

Ala Leu Glu Gly Thr Ala Thr Thr Gly Gly Thr Ser Thr Ser  
1 5 10

&lt;210&gt; 9856

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9856

Val Leu Ser Pro Lys Pro Gln Leu His His Gln His His Leu  
1 5 10

&lt;210&gt; 9857

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9857

Ala Leu Met Pro Glu Val Ala Ala Cys Ser Thr His Gly Cys  
1 5 10

&lt;210&gt; 9858

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9858

Thr	Trp	Gln	Arg	Gly	Arg	Arg	Ala	Ser	Ser	Ser	Arg	Ala	Arg
1				5					10				

<210> 9859

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9859

Ala	Ser	Asp	Asn	Ile	Pro	Lys	Gln	Thr	Lys	Ser	Gly	Pro	Trp
1				5					10				

<210> 9860

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9860

Leu	Leu	Gln	Gly	Leu	Gly	Ile	Cys	Cys	Trp	Glu	Phe	Pro	Pro
1				5					10				

<210> 9861

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9861

Ala	Leu	Asn	Trp	Ala	Trp	Pro	Pro	Ser	Ser	Leu	Val	Pro	Asp
1				5					10				

<210> 9862

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9862

Phe Gly Ala Arg Gln Met Ala Gly Pro Trp Trp Ile Ser Cys  
 1 5 10

<210> 9863  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9863  
 Ala Arg Gln Met Gly Trp Ala Trp Trp Ile Ser Cys Trp Ser  
 1 5 10

<210> 9864  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9864  
 His Gly Trp Arg Gly Gly Arg Gly Cys Gln  
 1 5 10

<210> 9865  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9865  
 Ile Asp Val Ser Glu Glu Phe Gln Pro Glu Glu Asn Glu Ile  
 1 5 10

<210> 9866  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9866  
 Lys Glu Gln Glu Asn Arg Lys Ala  
 1 5

<210> 9867  
 <211> 9  
 <212> PRT  
 <213> Homo sapiens



<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9867  
Gln Ser Phe Leu Tyr Gly Asn Met Cys  
1 5

<210> 9868  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9868  
Pro Asn Ser Leu His Gly Gly Val Arg  
1 5

<210> 9869  
<211> 4  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9869  
Lys Ser Ser Arg  
1

<210> 9870  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9870  
Met Cys Leu Gly Trp Ser Phe Glu Tyr Ala Leu Gly Cys Ser  
1 5 10

<210> 9871  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9871  
Leu Gly Leu Thr Arg Ile Arg Thr Gly Thr Gly Met Cys Ser  
1 5 10

<210> 9872  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9872  
Met Gly Leu Ala Gly Arg Ala Glu  
1 5

<210> 9873  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9873  
Leu Phe Leu Ala Asp Glu Ser Ser Thr Trp  
1 5 10

<210> 9874  
<211> 7  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9874  
Tyr Gly Arg Glu Leu Arg Arg  
1 5

<210> 9875  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9875  
Arg His Ser Ser Tyr Pro Ala Gly Arg Arg Thr Thr Lys Gly  
1 5 10

<210> 9876  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9876

Leu Arg Pro Arg Cys Ser Ala Ala Met Arg  
1 5 10

<210> 9877

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9877

Leu Arg Pro Arg Cys Ser Ala Ala Met Arg  
1 5 10

<210> 9878

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9878

Val Glu Tyr Val Cys Glu Ser Ala Arg Glu Arg Pro Leu Leu  
1 5 10

<210> 9879

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9879

Gln Ala Asp Val Val Val Ala Arg Ser Asp Thr Ala Ile Leu  
1 5 10

<210> 9880

<211> 4

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9880

Ser Ile Lys Thr  
1

<210> 9881

<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9881  
Glu Leu Gln Lys Ser Leu Ser Arg Ala  
1 5

<210> 9882  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9882  
Ser Ala Leu Met Ala Pro Thr Pro Ser Ser Cys Phe Leu Ser  
1 5 10

<210> 9883  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9883  
Ala Ala Ile Cys Leu Leu Glu Thr Trp Leu Trp Ile Gly Pro  
1 5 10

<210> 9884  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9884  
Arg Thr Ala Glu Cys Pro Gly Gln Pro Arg Met Pro Ala Leu  
1 5 10

<210> 9885  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9885

Phe Glu Ser Gln Ala Pro Ala Leu Glu Val Lys Thr Leu Leu  
1 5 10

&lt;210&gt; 9886

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9886

Asp Gly Asp Lys Arg Cys Lys Phe Cys Trp Gly  
1 5 10

&lt;210&gt; 9887

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9887

Ile Asn Lys Arg Ala Ser Gly Arg Leu Leu Ser  
1 5 10

&lt;210&gt; 9888

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9888

Thr Pro Pro Gly Pro Gly Leu Pro Leu Gly Gln Ala  
1 5 10

&lt;210&gt; 9889

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9889

Glu Glu Asp Ile Arg Asp Leu Arg Pro Val Met Ile Thr Glu  
1 5 10

&lt;210&gt; 9890

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (9)...(0)

<223> cSNP translation

<400> 9890

Glu Pro Ile Arg Arg Glu Gly Pro Ser Gly Thr Gln Leu Ala  
1 5 10

<210> 9891

<211> 2

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9891

Pro Trp  
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<210> 9892

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9892

Gly Glu Val Gly Arg Arg Ser Thr Thr Asn Trp Ala Gly Ser  
1 5 10

<210> 9893

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9893

Ala Ala Met Cys Phe Pro Lys Ser Ser Leu Met Thr  
1 5 10

<210> 9894

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9894

Ala Met Cys Phe Pro Lys Ser Ser Leu Met Thr  
 1 5 10

<210> 9895  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9895  
 Glu Ala Asn Pro Ala Asp Gly Val Thr Leu Thr Arg Thr Met  
 1 5 10

<210> 9896  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9896  
 Gly Asp Thr Leu Gly Ser Val Ser Gly Ala Ser Ser Pro Ser  
 1 5 10

<210> 9897  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (9)...(0)  
 <223> cSNP translation

<400> 9897  
 Thr Asn Val Ala Leu Val Ala Pro Cys Tyr Ala Trp Arg Thr  
 1 5 10

<210> 9898  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (8)...(0)  
 <223> cSNP translation

<400> 9898  
 Val Gly Asp Lys Arg Gln Pro Gly Ser Trp Ser Leu Gly Ala  
 1 5 10

<210> 9899  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9899  
Leu Leu Glu Pro Arg Ile Arg Ser Trp Trp Trp Gly Leu Glu  
1 5 10

<210> 9900  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9900  
Arg Ile Ser Leu Leu Gln Arg Arg Pro Leu Arg Gln Cys Thr  
1 5 10

<210> 9901  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9901  
Ser Glu Gly Leu Glu Gly Asp His Pro Ile Gln Leu Gln Tyr  
1 5 10

<210> 9902  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9902  
Phe Asn Ala Leu Gly Gly Ser Pro Ala Pro Thr  
1 5 10

<210> 9903  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9903  
Tyr Ala Glu Met Pro Lys Arg Arg Arg Thr Leu Ser Pro Ile  
1 5 10



<210> 9904  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9904  
Ser Glu Asp Leu His Asp Thr Tyr Gly Arg Val Pro Thr Trp  
1 5 10

<210> 9905  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9905  
Gln Val His Ser Ala Gly Pro Ser Arg Cys Ser Arg Leu Pro  
1 5 10

<210> 9906  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9906  
Ser Glu Thr Lys Arg Ala Ala Ala Gly Pro Thr Ser Pro Ser  
1 5 10

<210> 9907  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9907  
Ser Gln Ala Leu Pro Pro Arg Pro Pro Pro Pro Ala Pro Val  
1 5 10

<210> 9908  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9908

Ile	Ala	Leu	Arg	Gln	Ser	Gln	Pro	Cys	Arg	Arg	Ala	Thr	Ala
1				5					10				

&lt;210&gt; 9909

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9909

Leu	Leu	Thr	Gly	Glu	Arg	Thr	Gly	Cys	Ser	Pro	Ala	Thr	Cys
1				5					10				

&lt;210&gt; 9910

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9910

Thr	Thr	Ala	Cys	Gln	Glu	Val	Thr	Thr	Val	Pro	Ser	Ser	Gly
1				5					10				

&lt;210&gt; 9911

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9911

Gln	Leu	Cys	Glu	Cys	Asp	Lys	Leu	Leu	Pro	Pro	Val	Leu	Leu
1				5					10				

&lt;210&gt; 9912

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9912

Leu	Tyr	Leu	Gln	Glu	Gln	Pro	Phe	Ser	Gln	Val	Ser	Met	Leu
1				5					10				

&lt;210&gt; 9913

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9913  
Tyr Glu Asn Leu Cys Cys Cys Gly Ala Phe Arg His Gly Thr  
1 5 10

<210> 9914  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9914  
Gly Tyr Glu Asn Leu Cys Cys Cys Gly Ala Phe Arg His Gly  
1 5 10

<210> 9915  
<211> 12  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9915  
Arg Asp Leu Gln Glu Leu Arg Arg Ser Cys Leu Cys  
1 5 10

<210> 9916  
<211> 8  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9916  
Lys Lys Glu Lys Lys Lys Ala Lys  
1 5

<210> 9917  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

&lt;400&gt; 9917

Glu Lys Lys Lys Glu Lys Lys Lys Ala Lys  
1 5 10

&lt;210&gt; 9918

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9918

Tyr Ala Ile Thr Val Trp Tyr Leu Met Gln Met Arg Glu His  
1 5 10

&lt;210&gt; 9919

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9919

Arg Thr Ala Ser Arg Glu Ala Thr Trp Glu Pro Pro Thr  
1 5 10

&lt;210&gt; 9920

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9920

Glu Lys Met Leu Thr Gln Lys Arg Ser Leu Lys Asn Ser Thr  
1 5 10

&lt;210&gt; 9921

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9921

Glu Lys Met Leu Thr Gln Lys Arg Ser Leu Lys Asn Ser Thr  
1 5 10

&lt;210&gt; 9922

&lt;211&gt; 7

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9922

Thr Arg Lys Ser Leu Pro Lys  
1 5

<210> 9923

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9923

Gly Ala Gln Gln Glu Lys Cys Ala Val Thr Leu Arg Ser Leu  
1 5 10

<210> 9924

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9924

Cys Pro Leu Ala Ala Gly Gly Ser Arg Arg Ser Cys Ala Val  
1 5 10

<210> 9925

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9925

Leu Ser Pro Asp Asp Pro Gln Cys Arg Arg Arg Arg Arg Arg  
1 5 10

<210> 9926

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9926

Phe Cys Leu Leu Ala Leu His Ala Thr Pro Gly Pro Gly Arg  
 1 5 10

<210> 9927  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9927  
 Arg Gly Gln Gly Gly Val Ser Gln Val Asn Gln Ile Asn Thr  
 1 5 10

<210> 9928  
 <211> 7  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9928  
 Ser Asp Ala Phe Arg Glu Gln  
 1 5

<210> 9929  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9929  
 Ile Leu Val Met Arg Leu Gln Pro Arg Asn Lys Arg Cys Lys  
 1 5 10

<210> 9930  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> VARIANT  
 <222> (7)...(0)  
 <223> cSNP translation

<400> 9930  
 Asn Tyr Cys Arg Leu Arg Arg Leu Cys Ser Pro Cys Leu Pro  
 1 5 10

<210> 9931  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9931  
Val Thr Ala Lys Ala Glu Val Ser Leu His Pro Pro Arg Thr  
1 5 10

<210> 9932  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9932  
Asp Asn Gln Val Tyr Val Pro Gln Pro Leu Leu Pro Gly Met  
1 5 10

<210> 9933  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9933  
Val Asp Asn Gln Val Tyr Val Pro Gln Pro Leu Leu Pro Gly  
1 5 10

<210> 9934  
<211> 9  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9934  
Val Phe Val Leu Tyr Glu Ser Arg Pro  
1 5

<210> 9935  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9935  
Val Phe Gly Gly Arg Gly Glu Val Gly Ser Arg Ala Gln Ala  
1 5 10

<210> 9936  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9936  
Ile Pro Gly Thr Gly Arg Gly Ser Gln Arg Arg Ser Leu Ala  
1 5 10

<210> 9937  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9937  
Pro Gly Thr Gly Arg Gly Ser Gln Arg Arg Ser Leu Ala Asp  
1 5 10

<210> 9938  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9938  
Gln Pro Ser Ala Lys Arg Gln Thr Pro Thr Ser Thr Ser Arg  
1 5 10

<210> 9939  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9939  
Glu Tyr Leu Gln Pro Ser Ala Asn Gly Gln Thr Pro Thr Ser  
1 5 10

<210> 9940  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT



<222> (7)...(0)

<223> cSNP translation

<400> 9940

Arg Ser Ala Gly Arg Gly Trp Gly Ala Gly Ala  
1 5 10

<210> 9941

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9941

Gly Cys Cys Ile Cys Arg Leu Ser Pro Pro Val Leu Asp Ser  
1 5 10

<210> 9942

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9942

Glu Val Asn Arg Lys Leu Ala Ser Leu Ile Leu Thr Ala Gln  
1 5 10

<210> 9943

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9943

Gly Ser Gly Gly Arg Cys Ala Ser Trp Ala Ser Ala Ala Ala  
1 5 10

<210> 9944

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 9944

Ser Gly Gly Arg Cys Ala Ser Trp Ala Ser Ala Ala Ala Arg  
1 5 10

<210> 9945

<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9945  
His Arg Leu Pro Leu Ala Arg Cys Ala Trp Trp Arg Trp Ala  
1 5 10

<210> 9946  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9946  
Gln Gly Ser Trp Gly Arg Glu Ser Ala Gly Arg Ala Phe Leu  
1 5 10

<210> 9947  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9947  
Lys Glu Gln Gly Ser Trp Gly Ala Arg Ser Ala Gly Arg Ala  
1 5 10

<210> 9948  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9948  
Leu Pro Glu Gly Ile Arg Leu Ala Arg Cys  
1 5 10

<210> 9949  
<211> 11  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

&lt;400&gt; 9949

Ser Leu Pro Glu Gly Ile Arg Leu Ala Arg Cys  
1 5 10

&lt;210&gt; 9950

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9950

Lys Ser Ser Leu Pro Glu Gly Ser Ala Leu Ala Arg Cys  
1 5 10

&lt;210&gt; 9951

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (9)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9951

Arg Ile Ile Gln Tyr Tyr Gly Pro Ala Thr Trp Gly Arg Arg  
1 5 10

&lt;210&gt; 9952

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9952

Pro Ala Arg Gly Arg Pro Ala Ala Pro Gly Ser  
1 5 10

&lt;210&gt; 9953

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 9953

Pro Ile Ser Met Ala Val Ala Phe Arg Thr Thr Trp Pro Pro  
1 5 10

&lt;210&gt; 9954

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9954

Ser Lys Leu Lys Gly Arg Gly Gly Ser Ser Gly Glu Ala Ala  
1 5 10

<210> 9955

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9955

Ser Leu Leu Leu Ala Glu Ala Thr Ala Ser Ser Leu Leu Leu  
1 5 10

<210> 9956

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9956

Ala Arg Lys Phe Leu Asp Ala Gln Ser Arg Leu Lys Thr Thr  
1 5 10

<210> 9957

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9957

Pro Gly Pro Gly Leu Met Ala Cys Trp Cys Thr Cys Gly Ala  
1 5 10

<210> 9958

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 9958

Ala Thr Phe Cys Ser Leu Pro Gln  
1 5

<210> 9959  
<211> 10  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9959  
Gly Cys Ala Thr Phe Cys Phe Ser Ala Gln  
1 5 10

<210> 9960  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9960  
Cys Cys Ser Ala Gly Cys Ala Pro Ser Ala Leu Cys Pro Met  
1 5 10

<210> 9961  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9961  
Leu Lys Cys Cys Ser Ala Ala Val Pro Pro Ser Ala Leu Cys  
1 5 10

<210> 9962  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (9)...(0)  
<223> cSNP translation

<400> 9962  
Ala Glu Lys Thr Gly Val Cys Pro Ser Ser Arg Leu Thr Arg  
1 5 10

<210> 9963  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9963  
Ala Arg Cys Gly Asn Leu Ala Ala Gly Gln Thr Ser Arg Trp  
1 5 10

<210> 9964  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9964  
Ser Asp Leu Gln Val Ala Pro Lys Pro Trp Arg Trp Ala Cys  
1 5 10

<210> 9965  
<211> 6  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9965  
Val Thr Phe Gly His Ser  
1 5

<210> 9966  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 9966  
Ser Leu Ser Lys Thr Cys Ser Arg Pro Ala Pro Ser Gln Lys  
1 5 10

<210> 9967  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9967  
Asn Phe Ser Ala Ala Asp Ala Gly Cys Gly Gln Ala Ser Pro  
1 5 10

<210> 9968  
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<400> 9968  
Arg Gly Leu Arg Ala Lys Ala Pro Gly Ala Arg Ala Thr Arg  
1 5 10

<210> 9969  
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<212> PRT  
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<220>  
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<400> 9969  
Asp Lys Phe Leu Gly Arg Ala Arg Trp Thr Cys Gly Ile Cys  
1 5 10

<210> 9970  
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<220>  
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<400> 9970  
His Arg Asp Gln Gly Arg Arg Arg Arg Ser Gly Ile Ser  
1 5 10

<210> 9971  
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<220>  
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<223> cSNP translation

<400> 9971  
His Arg Asp Gln Gly Arg Arg Arg Arg Ser Gly Ile Ser  
1 5 10

<210> 9972  
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<213> Homo sapiens

<220>  
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<223> cSNP translation

<400> 9972  
Gln Gly Arg Arg Lys Thr Gln Gly Ile Ser  
1 5 10

<210> 9973  
<211> 14  
<212> PRT  
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<220>  
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<400> 9973  
Ala Arg Ser Leu Pro Leu Ala Pro Gly Val Ser Gly Cys Gly  
1 5 10

<210> 9974  
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<400> 9974  
Phe Gly Val Arg Val Ser Arg Pro Gly Arg Arg Ser Arg Thr  
1 5 10

<210> 9975  
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<400> 9975  
Ser Phe Ile Leu Ala Phe Gly Pro Glu Trp Ser Ser Cys Ala  
1 5 10

<210> 9976  
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<212> PRT  
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Leu Thr Gly Ser Gln Ser Ser Met Leu Leu Cys Ala Ile Ser  
1 5 10

<210> 9977



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<400> 9977  
Ser Cys Ile His Cys Arg Asp Thr Trp Pro Ile Met Thr Ser  
1 5 10

<210> 9978  
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<400> 9978  
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1 5 10

<210> 9979  
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Tyr Arg Asp Gly Arg Val Asp Ser Trp Ser Arg Tyr Thr Ser  
1 5 10

<210> 9980  
<211> 14  
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<400> 9980  
Cys Leu Cys Leu Val Ala Ser Gly Arg Pro Pro Leu Ala Ser  
1 5 10

<210> 9981  
<211> 14  
<212> PRT  
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<400> 9981  
Ala Cys Leu Cys Leu Val Pro Gly Gly Arg Pro Pro Leu Ala  
1 5 10

<210> 9982  
<211> 14  
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<400> 9982  
Leu Leu Tyr Ile Thr Ala Phe Phe Phe Cys Trp Ile Leu Ser  
1 5 10

<210> 9983  
<211> 9  
<212> PRT  
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<220>  
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<223> cSNP translation

<400> 9983  
Arg Asp Arg Leu Leu Lys Pro Val Pro  
1 5

<210> 9984  
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<400> 9984  
Ala Leu Lys Ile Arg Glu Ser Ala Ala Leu  
1 5 10

<210> 9985  
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<400> 9985  
Leu Val Ala Ala Gly Val Ala Ala Leu Arg Ser Cys Trp Ser  
1 5 10

<210> 9986  
<211> 11  
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<213> Homo sapiens

<220>

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<222> (8)...(0)

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<400> 9986

Asp His Leu Asn Val Gly Val Pro Arg Pro Thr  
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<212> PRT

<213> Homo sapiens

<220>

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<223> cSNP translation

<400> 9987

His Leu Asn Val Gly Val Pro Arg Pro Thr  
1 5 10

<210> 9988

<211> 8

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<220>

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<400> 9988

Asn Val Gly Val Ala Gln Ala Thr  
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<210> 9989

<211> 14

<212> PRT

<213> Homo sapiens

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<400> 9989

Ala Ala Tyr Asp Arg Asn Gly Thr Lys Arg Leu Met Lys Thr  
1 5 10

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<400> 9990

Ala Ala Tyr Asp Arg Asn Gly Thr Lys Arg Leu Met Lys Thr  
1 5 10

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<400> 9991  
Pro Arg Arg Leu Ala Val Pro Arg Lys Cys Pro Leu Arg Ser  
1 5 10

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<400> 9992  
Tyr Val Pro Pro Arg Arg Leu Gln Cys Pro Arg Lys Cys Pro  
1 5 10

<210> 9993  
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<220>  
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<400> 9993  
Glu Ile His Arg Glu Leu Arg Leu Arg Asp Pro His Asp Pro  
1 5 10

<210> 9994  
<211> 14  
<212> PRT  
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<400> 9994  
Ser Gly Glu Thr Glu Glu Cys Arg Gly Trp Gln Gly Met Gly  
1 5 10

<210> 9995  
<211> 11  
<212> PRT  
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<400> 9995  
Asn Ala Leu Ser His Cys Cys Trp Arg Ala Arg  
1 5 10

<210> 9996  
<211> 14  
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<220>  
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<223> cSNP translation

<400> 9996  
Met Ala Asn Val Ala Met Pro Met Ala Ala Pro Ser His Pro  
1 5 10

<210> 9997  
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<213> Homo sapiens

<220>  
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<222> (8)...(0)  
<223> cSNP translation

<400> 9997  
Arg Lys Lys Tyr Pro Asp Arg Cys Arg  
1 5

<210> 9998  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 9998  
Met His Glu Gly Asp Glu Ala Leu Ala Thr Thr Ile Ser Gln  
1 5 10

<210> 9999  
<211> 14  
<212> PRT  
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<220>  
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<223> cSNP translation

<400> 9999  
Gly Asp Glu Gly Pro Gly Thr Thr Ile Ser Gln Ala Ser Gly  
1 5 10

<210> 10000  
<211> 8  
<212> PRT  
<213> Homo sapiens

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<223> cSNP translation

<400> 10000  
Lys Pro Gly Leu Gly Glu Ala Pro  
1 5

<210> 10001  
<211> 14  
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<220>  
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<400> 10001  
His Val Ala Glu Ile Val Ala Ala Arg Val Val Lys Leu Lys  
1 5 10

<210> 10002  
<211> 14  
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<220>  
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<223> cSNP translation

<400> 10002  
Leu Val Leu Ala Pro Val Ser Pro Gly Leu Ser Gly Ala Gly  
1 5 10

<210> 10003  
<211> 9  
<212> PRT  
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<400> 10003  
Arg Ala Lys Tyr Pro Asp Arg Phe Arg  
1 5

<210> 10004  
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<400> 10004  
Thr Asp Val Glu Thr Val Ser Pro Ala Phe Trp Lys Asn Ser  
1 5 10

<210> 10005  
<211> 14  
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<400> 10005  
Ala Pro Ser Gly Arg Met Ser Ser Leu Arg Thr Cys Arg Thr  
1 5 10

<210> 10006  
<211> 11  
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<400> 10006  
Met Tyr Cys Ile Val Ser Ala Ser Asp Cys Leu  
1 5 10

<210> 10007  
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<221> VARIANT  
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<223> cSNP translation

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Met Tyr Cys Ile Val Ser Ala Ser Asp Cys Leu  
1 5 10

<210> 10008  
<211> 14  
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<222> (8)...(0)  
<223> cSNP translation

<400> 10008  
Ala Ser Met Arg Ala Arg Ala Val Leu Gly Pro Ala Ser Thr  
1 5 10

<210> 10009

<211> 14  
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<220>  
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<400> 10009  
Gln Ser Glu Arg Arg Arg Ser Tyr Trp Asn Cys Arg Asn Pro  
1 5 10

<210> 10010  
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<222> (7)...(0)  
<223> cSNP translation

<400> 10010  
Pro Asp Tyr Ala Gly His His Ser Ser Arg Leu Trp Ser Thr  
1 5 10

<210> 10011  
<211> 14  
<212> PRT  
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<222> (8)...(0)  
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<400> 10011  
Leu Val Gly Trp Leu Arg Pro Thr Trp Cys Gln Met Ser Leu  
1 5 10

<210> 10012  
<211> 14  
<212> PRT  
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<222> (9)...(0)  
<223> cSNP translation

<400> 10012  
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<210> 10013  
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<212> PRT  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation



&lt;400&gt; 10013

Leu Thr Lys His Arg Arg Thr Thr Arg Ala Arg Ser Pro Thr  
1 5 10

&lt;210&gt; 10014

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 10014

Thr His Thr Gly Glu Lys Pro Thr Ala Ala Asn Cys Ala Ala  
1 5 10

&lt;210&gt; 10015

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 10015

Thr His Thr Gly Glu Lys Pro Thr Ala Ala Asn Cys Ala Ala  
1 5 10

&lt;210&gt; 10016

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 10016

Arg Cys Glu Leu Cys Gly Lys Gly Ser Arg Ala Cys Pro Ile  
1 5 10

&lt;210&gt; 10017

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (8)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 10017

Gly Arg Leu Phe Arg Ser Gly Ala His Gly Leu Leu Glu Met  
1 5 10

&lt;210&gt; 10018

&lt;211&gt; 14

&lt;212&gt; PRT

<213> Homo sapiens

<220>

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<222> (8)...(0)

<223> cSNP translation

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Gly Arg Lys Met Ala Ser Ala Pro Val Ser Ser Ser Gly Cys  
1 5 10

<210> 10019

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<212> PRT

<213> Homo sapiens

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<222> (7)...(0)

<223> cSNP translation

<400> 10019

Pro Pro Lys Leu Pro Val Val Leu Ala Thr Ser Ser Pro Thr  
1 5 10

<210> 10020

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (7)...(0)

<223> cSNP translation

<400> 10020

Arg Arg Ser Pro Ala Gln Lys Met Ala Lys Ser Thr Ser Thr  
1 5 10

<210> 10021

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<213> Homo sapiens

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<223> cSNP translation

<400> 10021

Ser Asp Gln Leu Leu Asp Met Glu Leu Asn Leu Gln Gln Asp  
1 5 10

<210> 10022

<211> 11

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (8)...(0)

<223> cSNP translation

<400> 10022

Asp Pro Met Met Ala Asp Ala Leu Ile Ser Trp  
1 5 10

<210> 10023  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 10023  
Arg Leu Tyr Met Gly Thr Ala Pro Trp Ser Gly Met Ala Met  
1 5 10

<210> 10024  
<211> 14  
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<400> 10024  
Leu Ala Met Gly Met Leu Ala Gly Pro Pro Arg Val Leu Leu  
1 5 10

<210> 10025  
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<221> VARIANT  
<222> (7)...(0)  
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<400> 10025  
Leu Ser Leu Gln Arg Val Val Ile Leu Thr Pro  
1 5 10

<210> 10026  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 10026  
Thr Val Glu Val Leu Lys Glu Phe Arg Lys Pro Arg Arg Ser  
1 5 10

<210> 10027  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 10027  
Arg Pro Val Gln Ala Gln Ala Arg Ala Ile Ala Val Ala Leu  
1 5 10

<210> 10028  
<211> 14  
<212> PRT  
<213> Homo sapiens

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<222> (8)...(0)  
<223> cSNP translation

<400> 10028  
Gly Thr Ala Pro His Thr Ser Pro Glu Gly Pro Ala Thr Ala  
1 5 10

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<211> 14  
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<213> Homo sapiens

<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 10029  
Leu Glu Pro Ser Ser Pro Ser His Trp Gly Gln Leu Pro Thr  
1 5 10

<210> 10030  
<211> 14  
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<220>  
<221> VARIANT  
<222> (8)...(0)  
<223> cSNP translation

<400> 10030  
Pro Thr Lys Arg Pro Glu Gly Glu Leu Met Leu Thr Thr Asn  
1 5 10

<210> 10031  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT  
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<400> 10031  
His Thr Ile Leu Leu Val His Leu Pro Arg Gly Gln Lys Ala  
1 5 10

<210> 10032  
<211> 14  
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<400> 10032  
Gly Arg Arg Ser Pro Gly Ala Pro Ala Gln Ser Ala Arg Gln  
1 5 10

<210> 10033  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 10033  
Pro Leu Leu Ala Asn Leu Ala Asp Gln Arg Ser Gly Cys Arg  
1 5 10

<210> 10034  
<211> 14  
<212> PRT  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 10034  
Val Lys Ser Gln Gly Val Thr Thr Met Arg Arg Val Ser Ser  
1 5 10

<210> 10035  
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<220>  
<221> VARIANT  
<222> (7)...(0)  
<223> cSNP translation

<400> 10035  
Val Lys Ser Gln Gly Val Thr Thr Met Arg Arg Val Ser Ser  
1 5 10

<210> 10036  
<211> 14  
<212> PRT  
<213> Homo sapiens

<220>  
<221> VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 10036

His Ser Met Arg Gln Ala Asp Leu Pro Ser Gly Arg Arg Ser  
1 5 10

&lt;210&gt; 10037

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 10037

Leu His Pro Lys Leu Gln Thr Pro Ser Ala Ser Ser Ser Gly  
1 5 10

&lt;210&gt; 10038

&lt;211&gt; 14

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; VARIANT

&lt;222&gt; (7)...(0)

&lt;223&gt; cSNP translation

&lt;400&gt; 10038

Pro Gly Thr Cys Pro Pro Ala Ser Ser Pro Ser Leu Leu Val  
1 5 10

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11th Floor, Branford, CT 06511 (US).

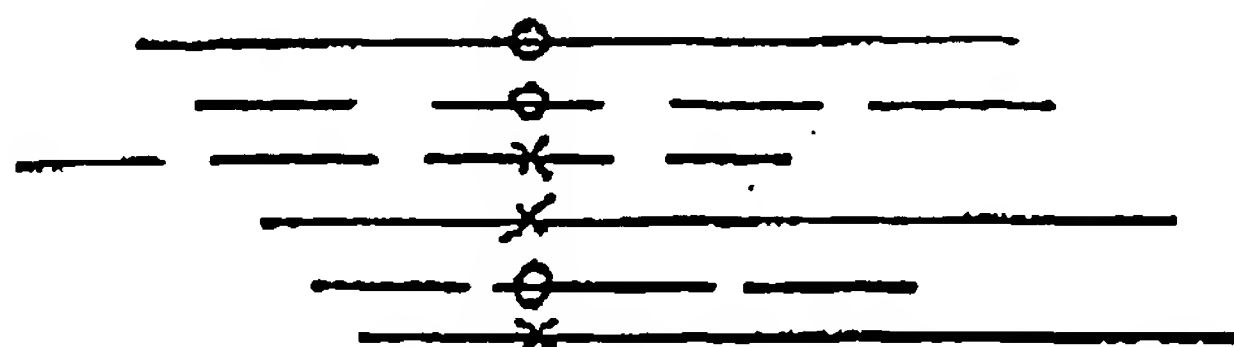
(88) Date of publication of the international search report:  
20 February 2003

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(75) Inventors/Applicants (*for US only*): **SHIMKETS,**  
Richard, A. [US/US]; 191 Leete Street, West Haven,

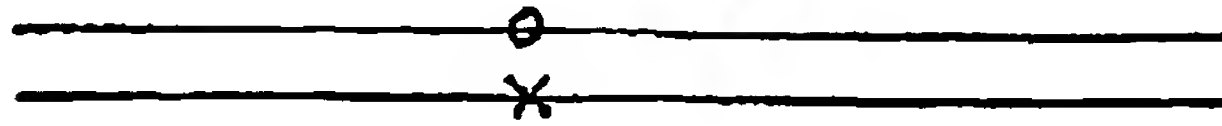
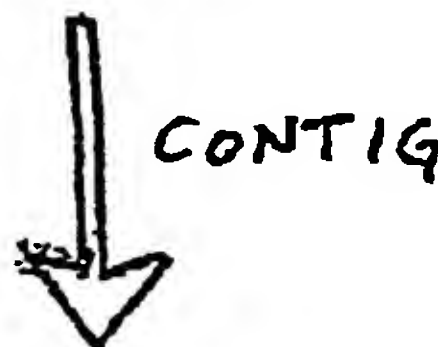
*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: **NUCLEIC ACIDS CONTAINING SINGLE NUCLEOTIDE POLYMORPHISMS AND METHODS OF USE  
THEREOF**



**PUBLIC**  
**CURAGEN**

o REF  
X SNP (VARIANT)



**KNOWN**  
**NOVEL**

(57) Abstract: The invention provides nucleic acids containing single-nucleotide polymorphisms identified for transcribed human sequences, as well as methods of using the nucleic acids.

WO 01/047944 A3

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/35498

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07H21/04 C07H21/02 C12Q1/68 C07K14/47 C07K16/18  
G01N33/53 A61K48/00 A61K39/395 A61K38/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q C07K C07H A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

SEQUENCE SEARCH, EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, EMBASE, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 656 477 A (VITEK MICHAEL PETER ET AL) 12 August 1997 (1997-08-12) abstract * see especially SEQ ID NO.6, nucleotides 2772-2822 * column 29 -column 40 ---	1-3
Y	WO 98 20165 A (WHITEHEAD BIOMEDICAL INST ; HUDSON THOMAS (US); LANDER ERIC S (US);) 14 May 1998 (1998-05-14) the whole document ---	1-35, 41-44
Y	WO 98 38846 A (LIPSHUTZ ROBERT J ; BERNO ANTHONY (US); CHEE MARK (US); FAN JIAN BI) 11 September 1998 (1998-09-11) the whole document --- -/--	1-35, 41-44

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the actual completion of the international search

28 June 2002

Date of mailing of the international search report

23. 09. 2002

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Knehr, M



## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/35498

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FAN J ET AL: "Genetic mapping: Finding and analyzing single-nucleotide polymorphisms with high-density DNA arrays" AMERICAN JOURNAL OF HUMAN GENETICS, UNIVERSITY OF CHICAGO PRESS, CHICAGO,, US, vol. 61, no. 4, SUPPL, 1 October 1997 (1997-10-01), page 1601 XP002089397 ISSN: 0002-9297 abstract	1-35, 41-44
Y	--- WANG D G ET AL: "Large-scale identification, mapping, and genotyping of single-nucleotide polymorphisms in the human genome" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US, vol. 280, 1998, pages 1077-1082, XP002089398 ISSN: 0036-8075 the whole document	1-35, 41-44
A	--- WO 92 13069 A (IMPERIAL COLLEGE) 6 August 1992 (1992-08-06) the whole document	
A	--- US 5 795 963 A (MULLAN MICHAEL JOHN) 18 August 1998 (1998-08-18) the whole document -----	

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US 00/35498

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 36-40  
because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Claims 1-35, 41-44 (partially)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

Invention 1: Claims 1-35, 41-44 (partially)

An isolated polynucleotide according to SEQ ID NOS:1 or 2 comprising a polymorphic site, a fragment or complementary sequence thereof comprising such a polymorphic site, an allele-specific oligonucleotide hybridising to such a polynucleotide at the polymorphic site, methods of detecting such a polymorphic site, a method of determining the relatedness of a first and second nucleic acid, based on such a polymorphic site, an isolated polypeptide comprising such an (encoded) polymorphism, an antibody binding to such a polypeptide, a method of detecting a polypeptide comprising such a polymorphism, methods of treating a subject suffering from being at risk of a pathology related to such a polymorphism, as well as an oligonucleotide array comprising oligonucleotides hybridising to such polymorphic sites.

Inventions 2 to 7865: Claims 1-35,  
41-44 (partially)

An isolated polynucleotide according to SEQ ID NOS:3 comprising a polymorphic site, a fragment or complementary sequence thereof comprising such a polymorphic site, an allele-specific oligonucleotide hybridising to such a polynucleotide at the polymorphic site, methods of detecting such a polymorphic site, a method of determining the relatedness of a first and second nucleic acid, based on such a polymorphic site, an isolated polypeptide comprising such an (encoded) polymorphism, an antibody binding to such a polypeptide, a method of detecting a polypeptide comprising such a polymorphism, methods of treating a subject suffering from being at risk of a pathology related to such a polymorphism, as well as an oligonucleotide array comprising oligonucleotides hybridising to such polymorphic sites.

...ibidem inventions 3 to 7865

Invention 7866: Claims 1-35, 41-44 (partially)

An isolated polynucleotide according to SEQ ID NOS:7867 comprising a polymorphic site, a fragment or complementary sequence thereof comprising such a polymorphic site, an allele-specific oligonucleotide hybridising to such a polynucleotide at the polymorphic site, methods of detecting such a polymorphic site, a method of determining the relatedness of a first and second nucleic acid, based on such a polymorphic site, an isolated polypeptide comprising

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

such an (encoded) polymorphism, an antibody binding to such a polypeptide, a method of detecting a polypeptide comprising such a polymorphism, methods of treating a subject suffering from being at risk of a pathology related to such a polymorphism, as well as an oligonucleotide array comprising oligonucleotides hybridising to such polymorphic sites.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Claims Nos.: 36-40

Claims 36-40 are directed to methods of treatment of the human body. They relate therefore to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(i) PCT).

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/35498

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			EP 0971033 A2	12-01-2000
			WO 9213069 A1	06-08-1992
			JP 6504441 T	26-05-1994
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